

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032320\
 Data File : VV015106.D
 Acq On : 23 Mar 2020 23:58
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:59:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 01:56:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	751914	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	713429	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	339096	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	343864	81.44	ug/L	0.00
7) Chloroethane-d5	1.58	69	283925	84.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	578819	80.87	ug/L	0.00
21) 2-Butanone-d5	3.94	46	468389	166.26	ug/L	0.00
24) Chloroform-d	4.38	84	528811	56.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	337120	57.05	ug/L	0.00
32) Benzene-d6	5.08	84	1065106	59.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	346359	64.26	ug/L	0.00
41) Toluene-d8	7.34	98	994696	56.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	183946	64.72	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	348592	137.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	484377	61.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	369105	52.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	283715	45.532	ug/L	100
3) Chloromethane	1.25	50	367395	74.505	ug/L	100
5) Vinyl chloride	1.32	62	355092	74.373	ug/L	100
6) Bromomethane	1.53	94	219435	71.592	ug/L	100
8) Chloroethane	1.60	64	259498	91.566	ug/L	100
9) Trichlorofluoromethane	1.77	101	464076	64.631	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	228211	65.884	ug/L	100
12) 1,1-Dichloroethene	2.13	96	238318	71.227	ug/L	100
13) Acetone	2.22	43	272486	127.742	ug/L	100
14) Carbon disulfide	2.31	76	626275	56.491	ug/L	100
15) Methyl Acetate	2.46	43	328078	82.535	ug/L	100
16) Methylene chloride	2.52	84	285113	57.341	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	239323	52.132	ug/L	100
18) Methyl tert-butyl Ether	2.79	73	927439	62.307	ug/L	100
19) 1,1-Dichloroethane	3.21	63	495696	60.462	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	289905	55.775	ug/L	100
22) 2-Butanone	4.02	43	474264	152.922	ug/L	100
23) Bromochloromethane	4.28	128	141200	50.928	ug/L	100
25) Chloroform	4.41	83	493805	55.195	ug/L	100
27) 1,2-Dichloroethane	5.16	62	387596	57.440	ug/L	100
29) Cyclohexane	4.70	56	398165	59.895	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	409374	53.132	ug/L	100
31) Carbon tetrachloride	4.86	117	351805	51.342	ug/L	100
33) Benzene	5.13	78	1067842	59.221	ug/L	100
34) Trichloroethene	5.94	95	258689	54.032	ug/L	100
35) Methylcyclohexane	6.15	83	402345	53.386	ug/L	100
37) 1,2-Dichloropropane	6.20	63	287086	63.780	ug/L	100
38) Bromodichloromethane	6.53	83	401193	62.071	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	483855	65.009	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	960702	147.432	ug/L	100

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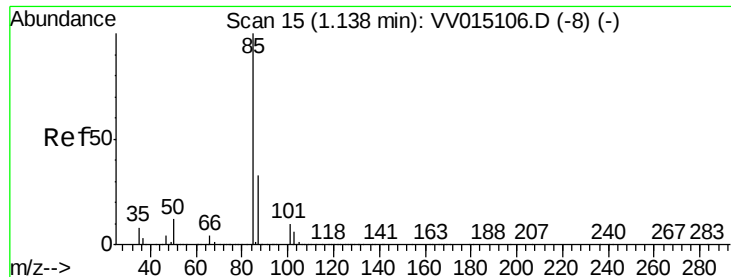
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:59:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 01:56:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	1155773	57.494	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	433461	64.301	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	275321	58.189	ug/L	100
46) Tetrachloroethene	8.00	164	186129	43.349	ug/L	100
48) 2-Hexanone	8.16	43	754423	153.933	ug/L	100
49) Dibromochloromethane	8.27	129	319056	58.079	ug/L	100
50) 1,2-Dibromoethane	8.37	107	297621	56.679	ug/L	100
51) Chlorobenzene	8.90	112	738264	52.974	ug/L	100
52) Ethylbenzene	9.03	91	1275760	56.060	ug/L	100
53) m,p-Xylene	9.16	106	482821	54.791	ug/L	100
54) o-xylene	9.57	106	492359	56.162	ug/L	100
55) Styrene	9.58	104	857936	57.823	ug/L	100
56) Isopropylbenzene	9.95	105	1229894	54.358	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	471599	60.463	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	380671	61.400	ug/L	100
61) Bromoform	9.75	173	227199	64.174	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	554426	54.139	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	555549	52.057	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	577987	52.772	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	125702	73.740	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	385956	48.838	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	366698	49.846	ug/L	100
69) Naphthalene	13.52	128	724040	68.778	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	377782	52.327	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 45.532 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

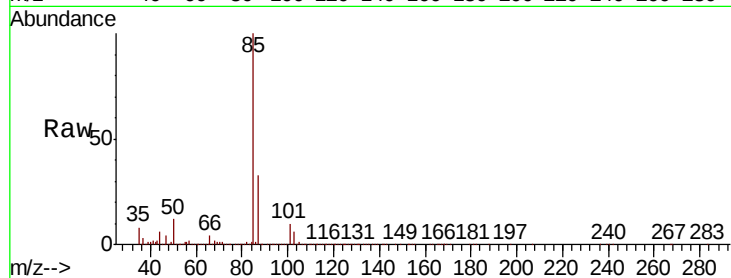
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 283715

Ion Ratio Lower Upper

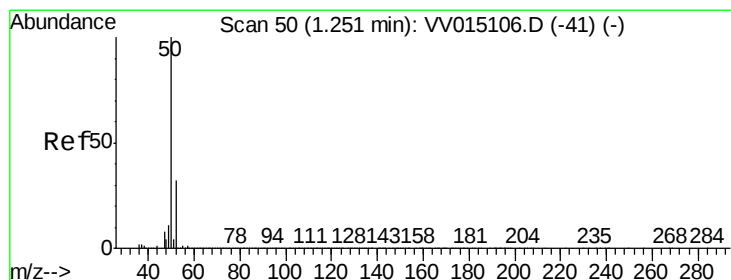
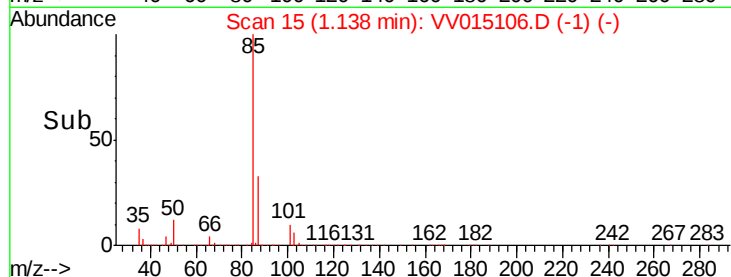
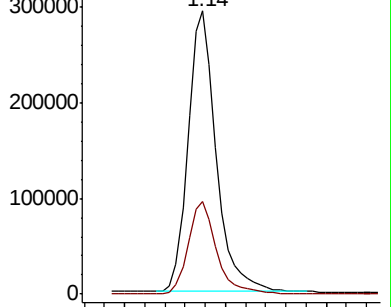
85 100

87 33.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VV015106.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV015106.D (-8) (-)



#3

Chloromethane

Concen: 74.505 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015106.D

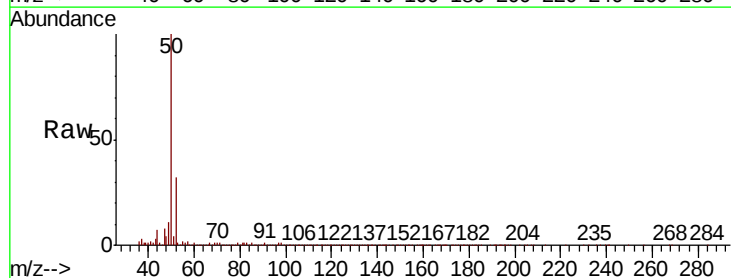
Acq: 23 Mar 2020 23:58

Tgt Ion: 50 Resp: 367395

Ion Ratio Lower Upper

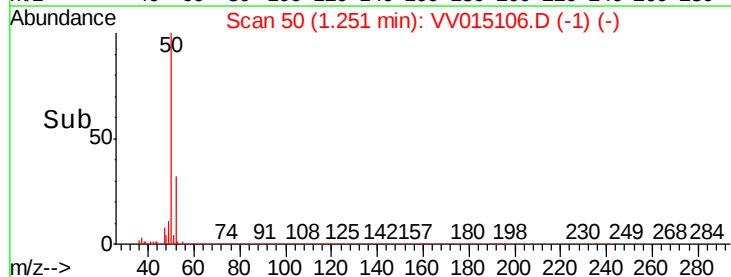
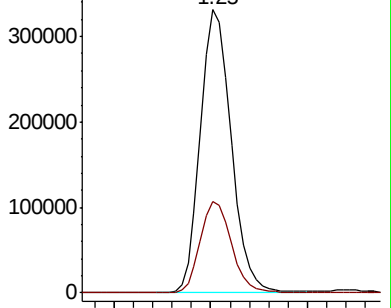
50 100

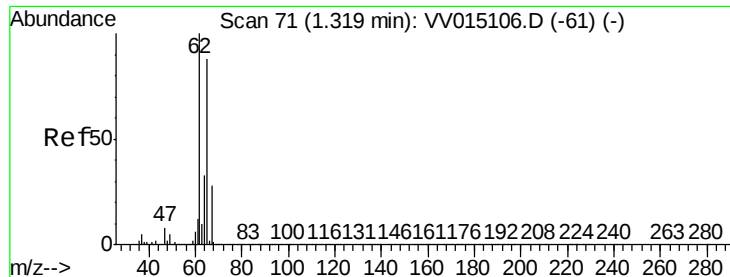
52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV015106.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015106.D (-41) (-)





#5

Vinyl chloride

Concen: 74.373 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

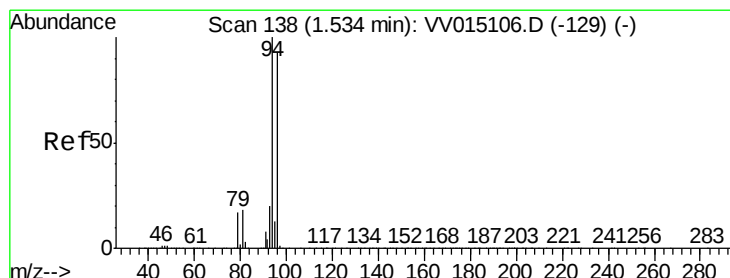
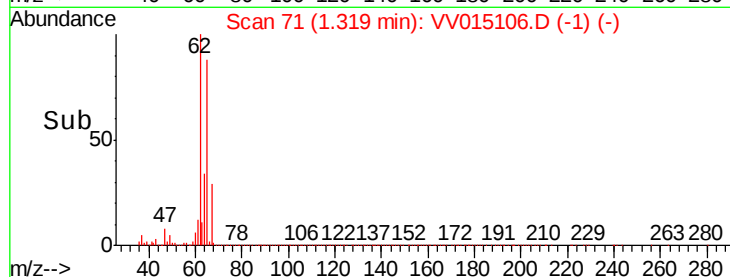
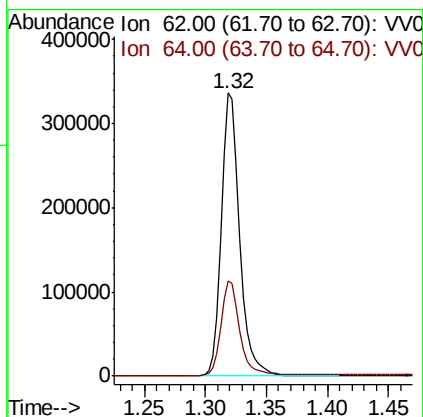
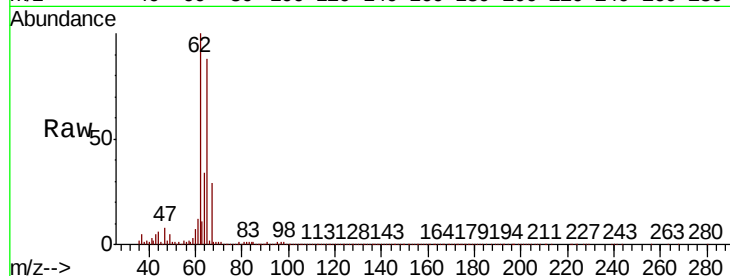
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 355092

Ion Ratio Lower Upper

62 100

64 33.7 23.6 43.8



#6

Bromomethane

Concen: 71.592 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015106.D

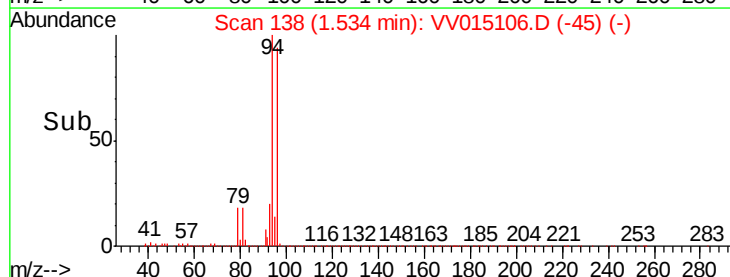
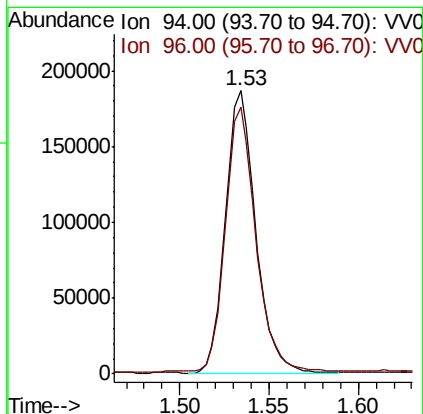
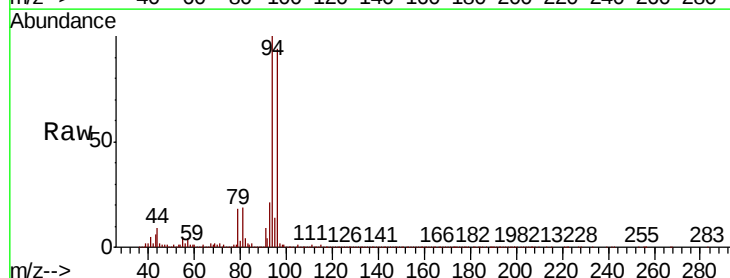
Acq: 23 Mar 2020 23:58

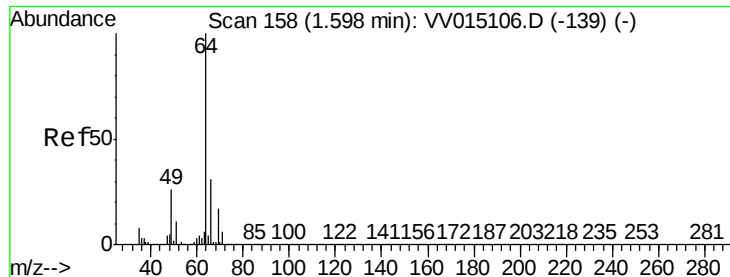
Tgt Ion: 94 Resp: 219435

Ion Ratio Lower Upper

94 100

96 94.1 65.9 122.3

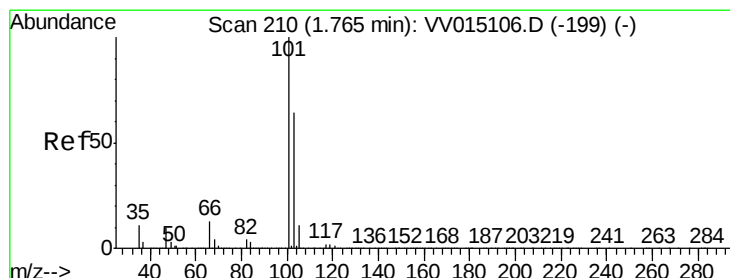
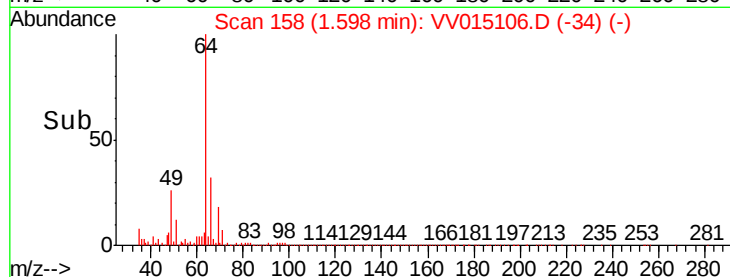
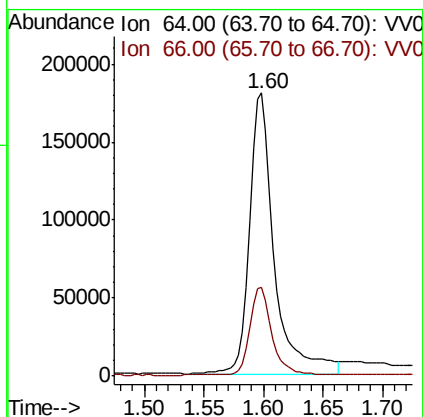
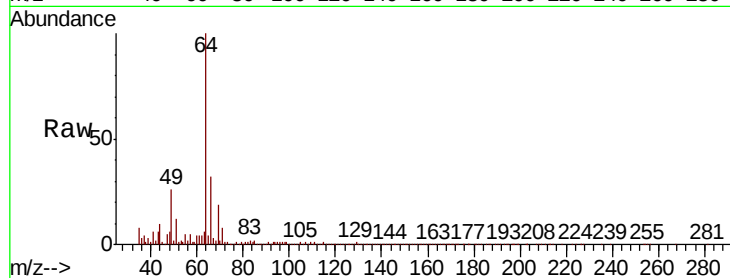




#8
Chloroethane
Concen: 91.566 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

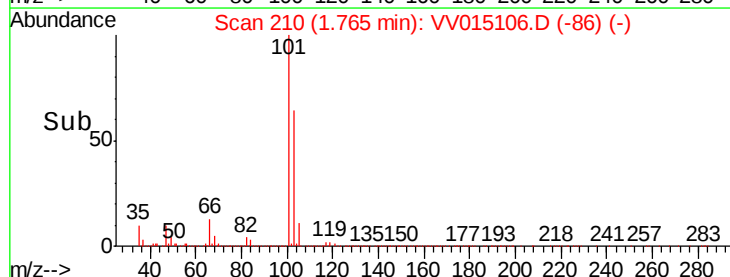
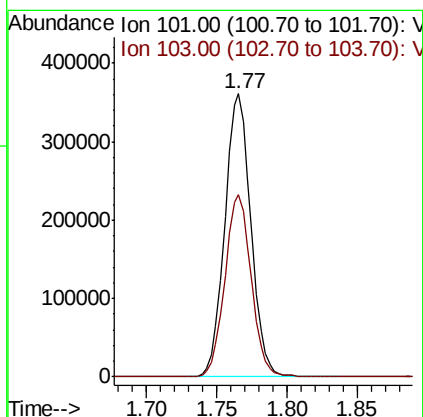
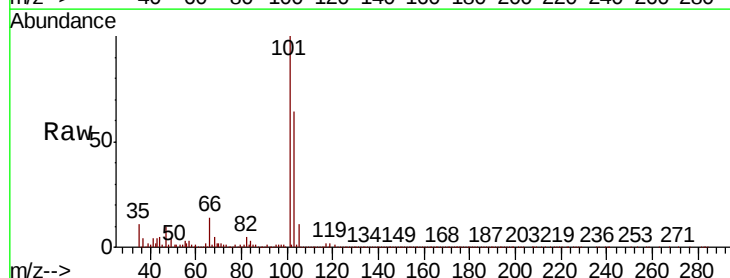
Instrument :
MSVOA_V
ClientSampleId :

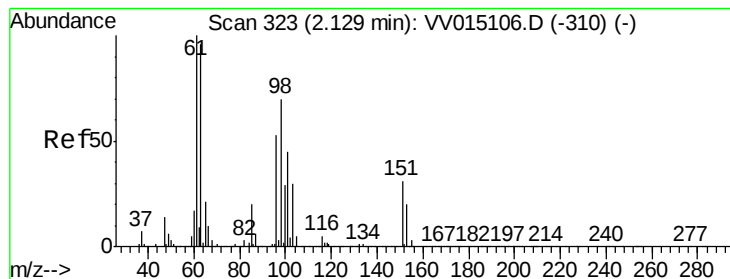
Tot Ion: 64 Resp: 259498
Ion Ratio Lower Upper
64 100
66 31.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 64.631 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Tgt Ion: 101 Resp: 464076
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 65.884 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

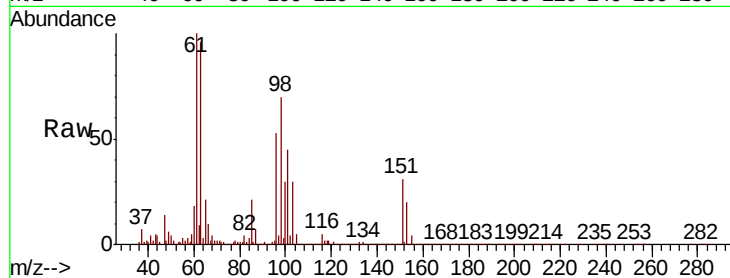
Tot Ion:101 Resp: 228211

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

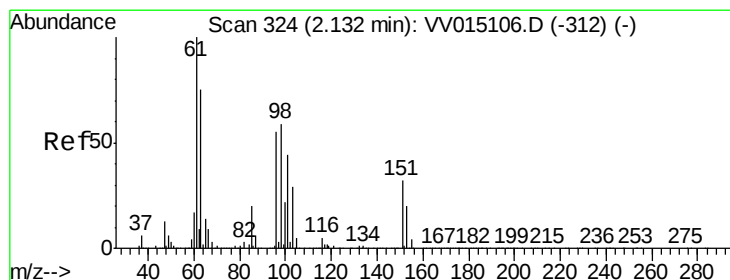
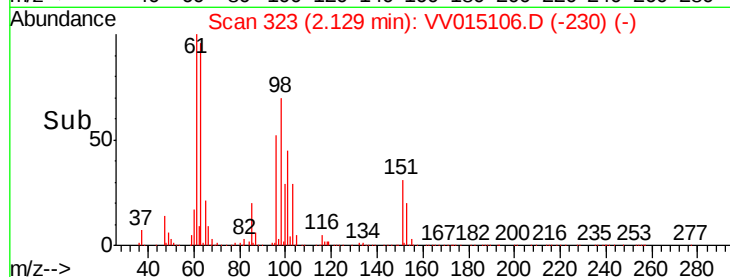
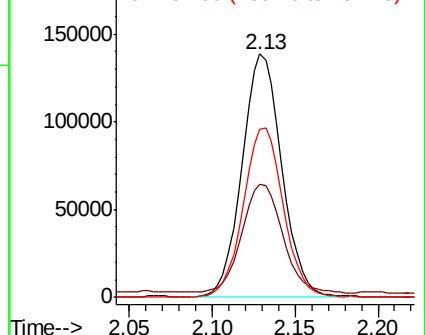
151 70.4 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 71.227 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

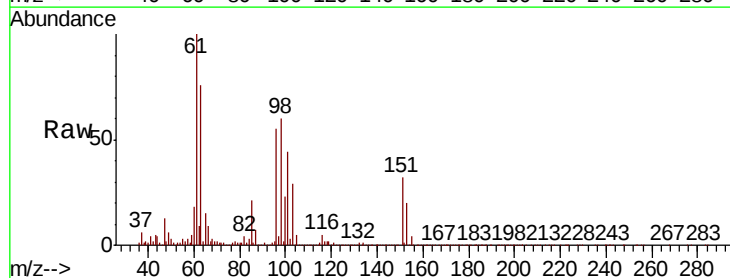
Tgt Ion: 96 Resp: 238318

Ion Ratio Lower Upper

96 100

61 182.0 127.4 236.6

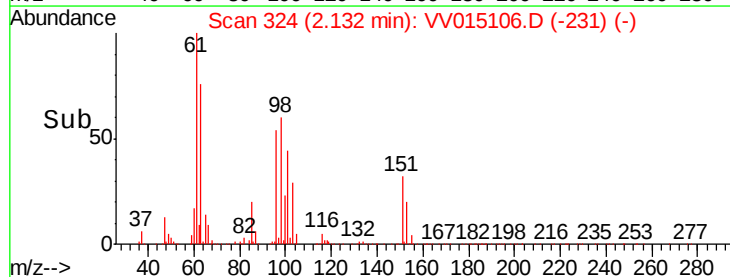
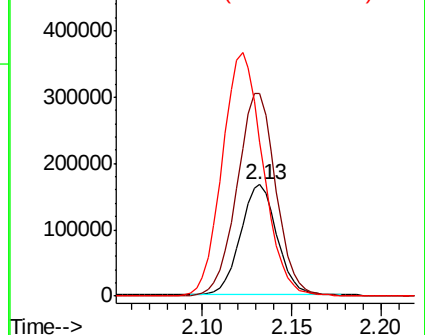
63 138.0 96.6 179.4

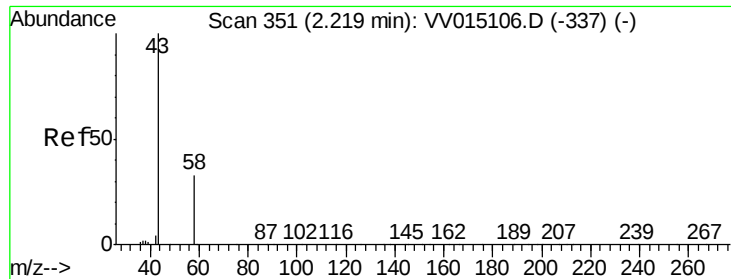


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

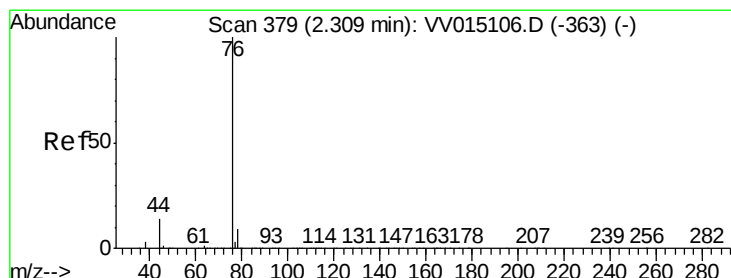
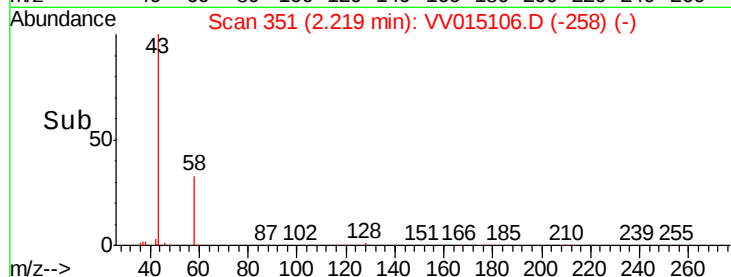
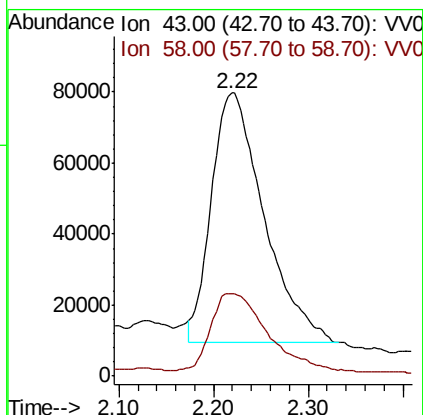
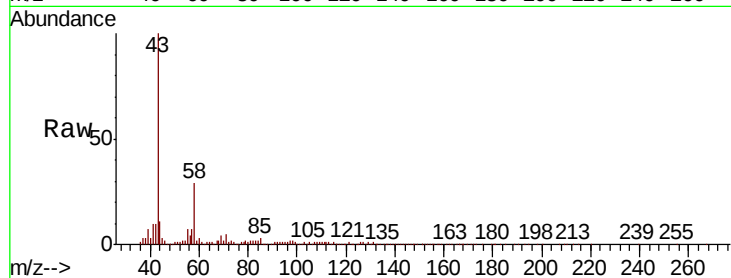




#13
Acetone
Concen: 127.742 ug/L
RT: 2.22 min Scan# 351
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

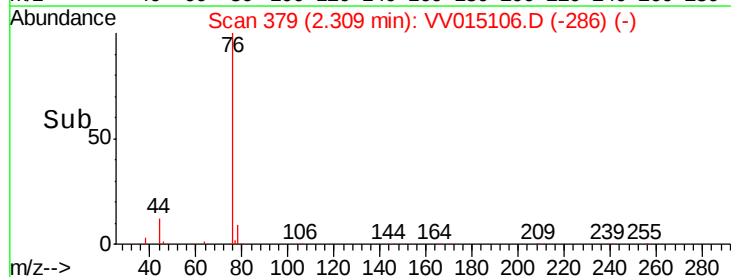
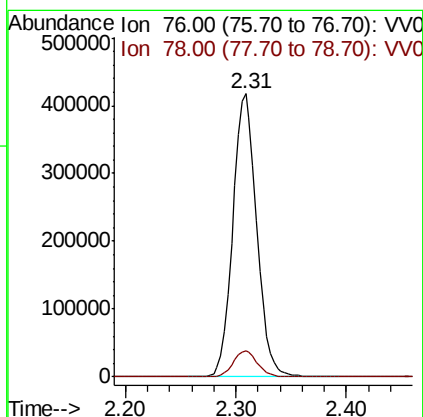
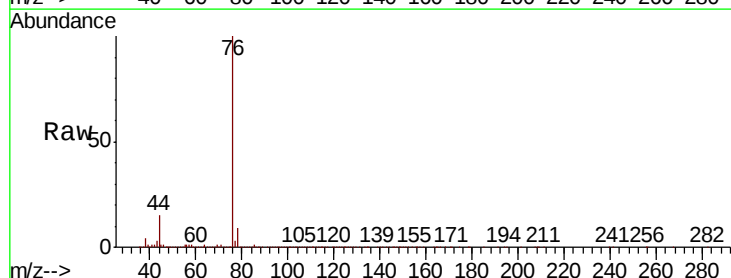
Instrument :
MSVOA_V
ClientSampleId :

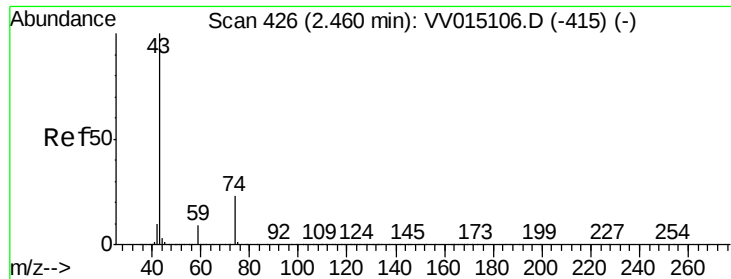
Tot Ion: 43 Resp: 272486
Ion Ratio Lower Upper
43 100
58 32.1 0.0 64.2



#14
Carbon disulfide
Concen: 56.491 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Tgt Ion: 76 Resp: 626275
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

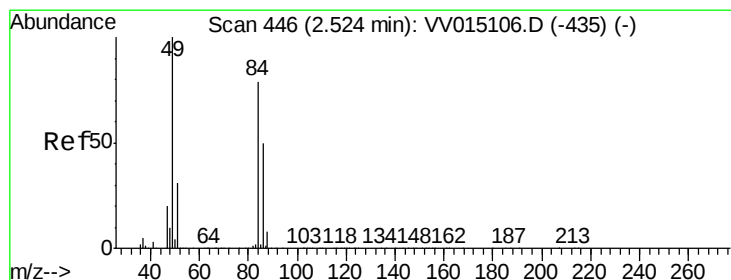
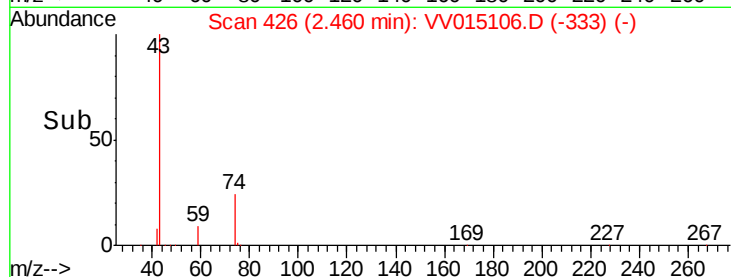
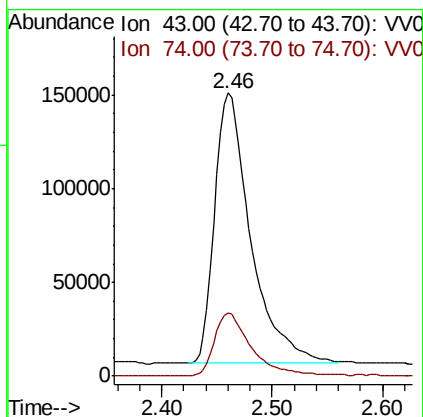
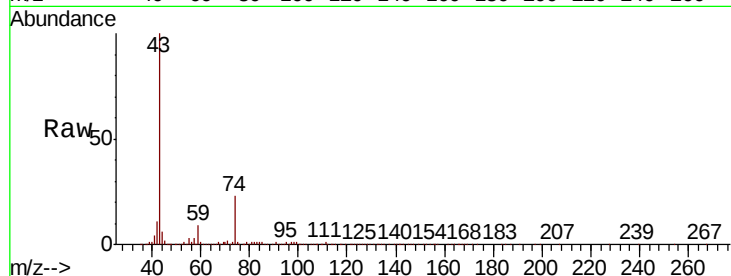




#15
Methvl Acetate
Concen: 82.535 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

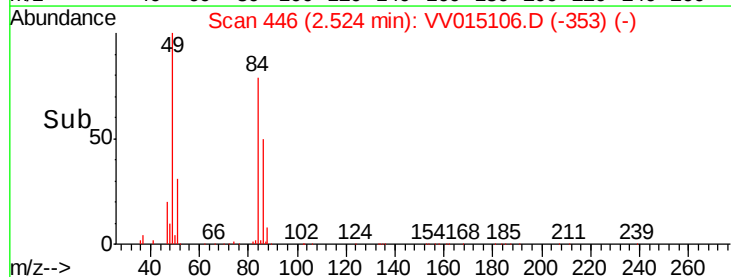
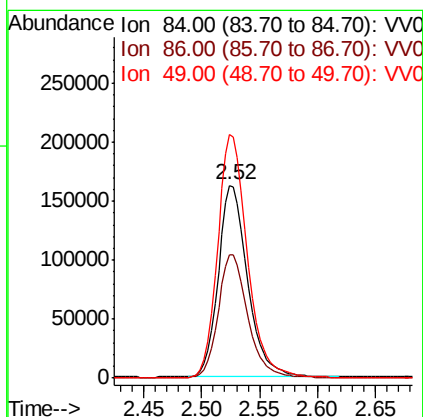
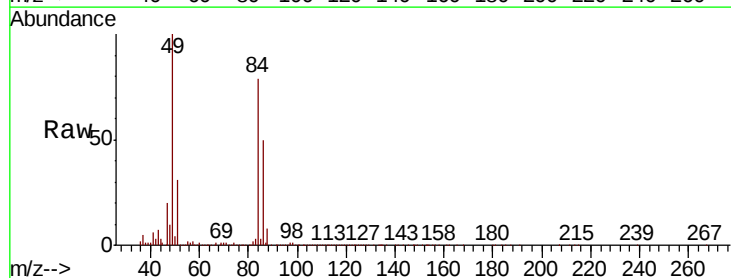
Instrument :
MSVOA_V
ClientSampleId :

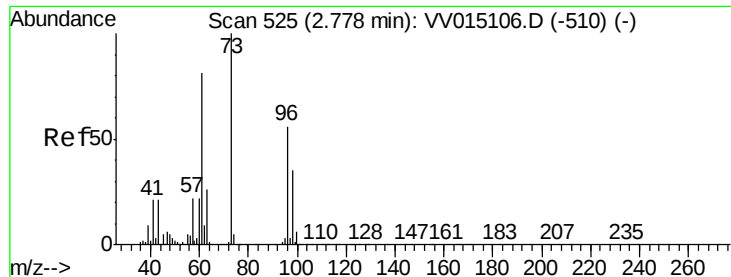
Tot Ion: 43 Resp: 328078
Ion Ratio Lower Upper
43 100
74 23.4 18.8 28.2



#16
Methylene chloride
Concen: 57.341 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Tgt Ion: 84 Resp: 285113
Ion Ratio Lower Upper
84 100
86 63.7 44.6 82.8
49 126.3 88.4 164.2





#17

trans-1,2-Dichloroethene

Concen: 52.132 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Instrument :
MSVOA_V
ClientSampleId :

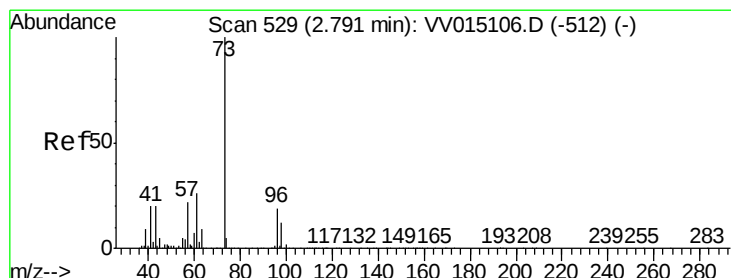
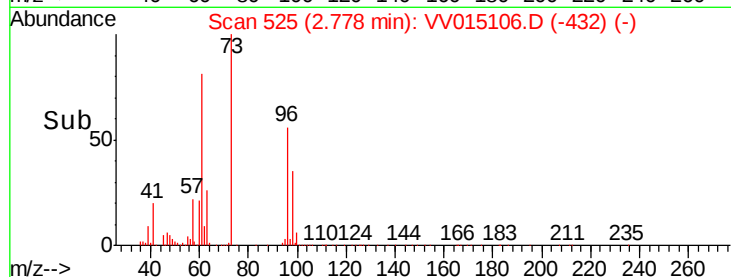
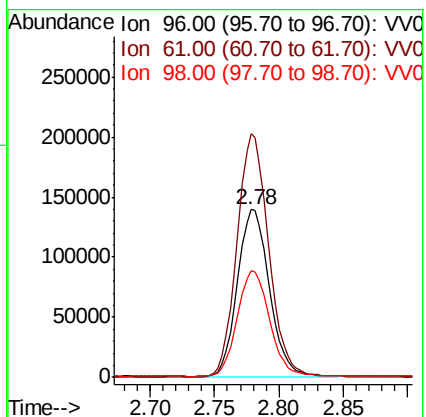
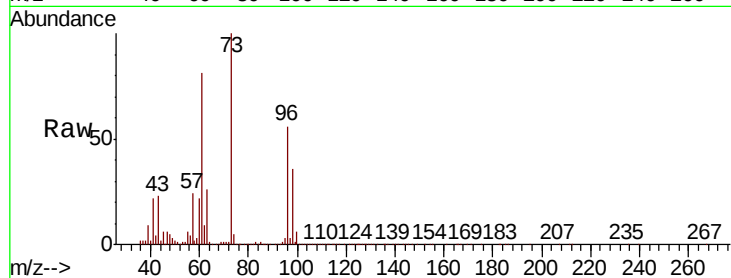
Tot Ion: 96 Resp: 239323

Ion Ratio Lower Upper

96 100

61 145.3 101.7 188.9

98 63.6 44.5 82.7



#18

Methyl tert-butyl Ether

Concen: 62.307 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

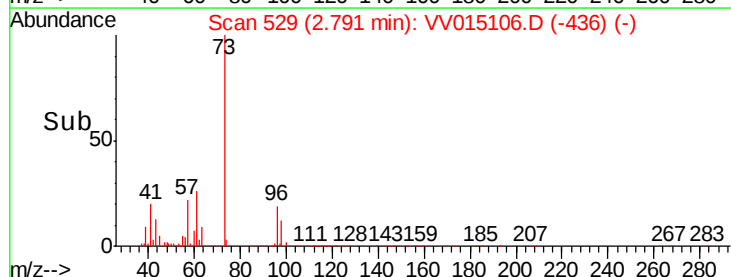
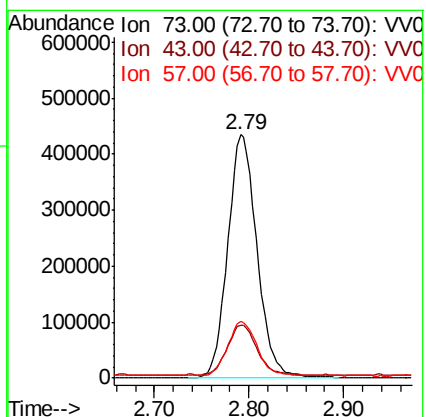
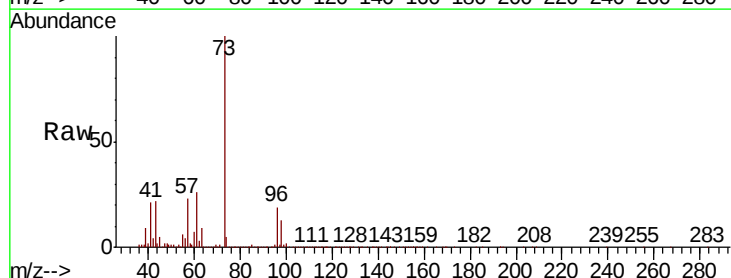
Tgt Ion: 73 Resp: 927439

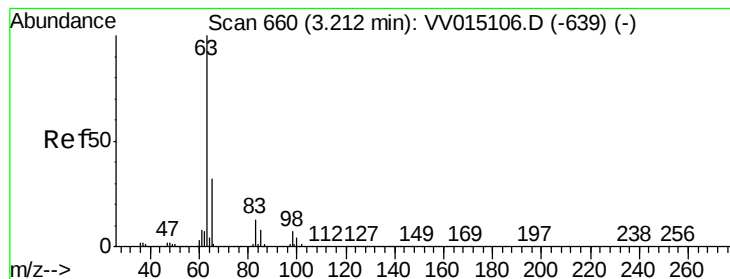
Ion Ratio Lower Upper

73 100

43 20.9 16.7 25.1

57 22.3 17.8 26.8





#19

1,1-Dichloroethane

Concen: 60.462 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

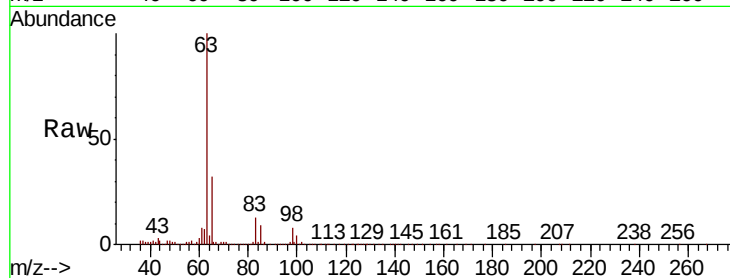
Tot Ion: 63 Resp: 495696

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

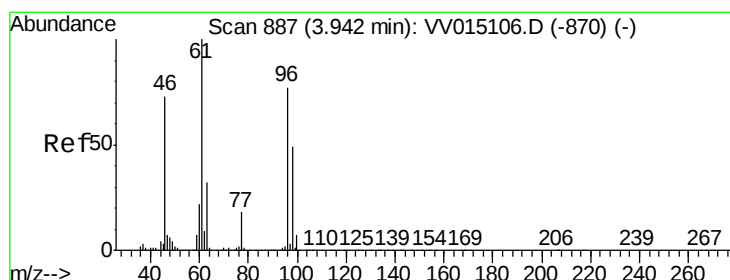
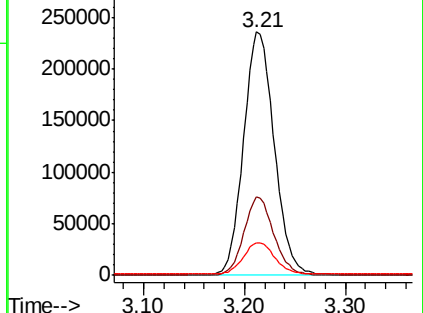
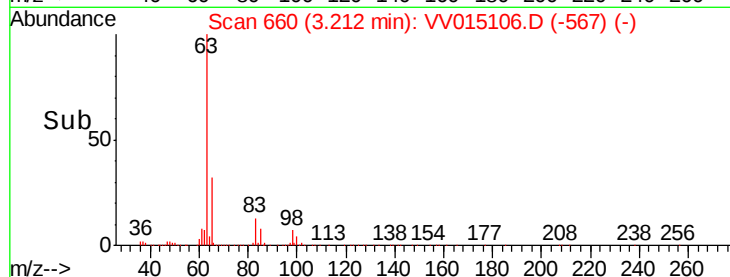
83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV015106.D (-639) (-)

Ion 65.00 (64.70 to 65.70): VV015106.D (-639) (-)

Ion 83.00 (82.70 to 83.70): VV015106.D (-639) (-)



#20

cis-1,2-Dichloroethene

Concen: 55.775 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

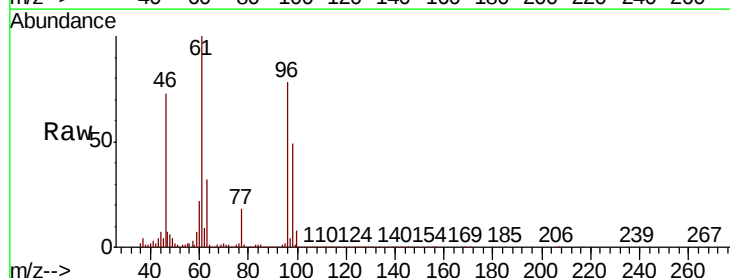
Tgt Ion: 96 Resp: 289905

Ion Ratio Lower Upper

96 100

61 128.8 90.2 167.4

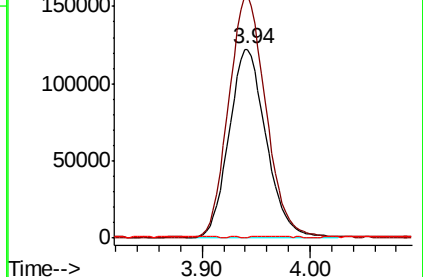
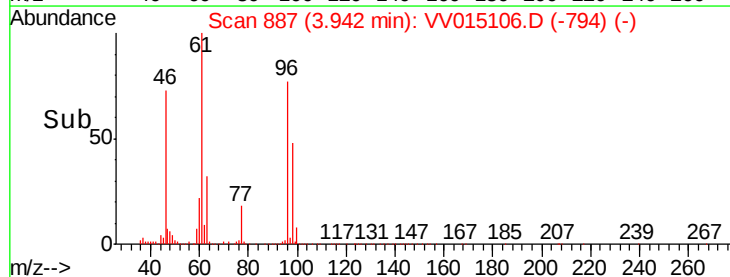
68 0.5 0.3 0.7

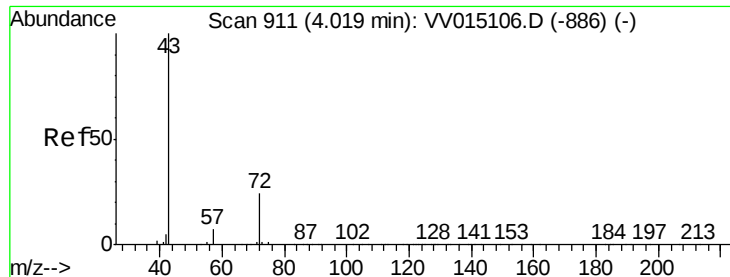


Abundance Ion 96.00 (95.70 to 96.70): VV015106.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV015106.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV015106.D (-870) (-)





#22

2-Butanone

Concen: 152.922 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

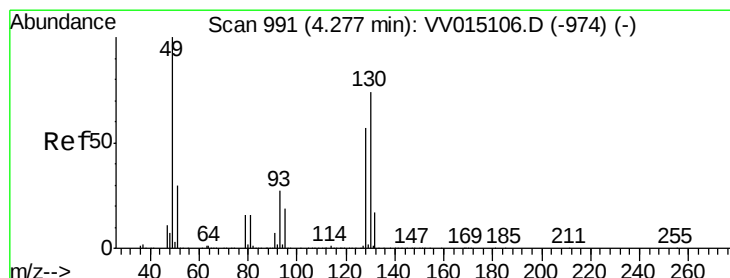
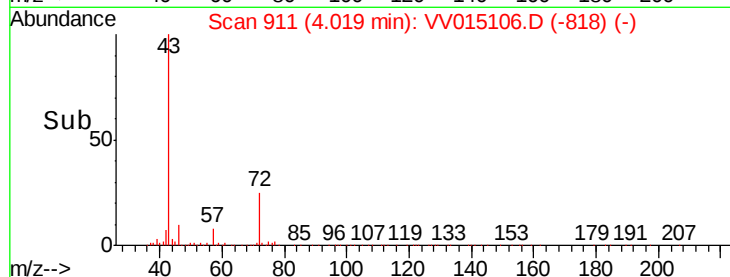
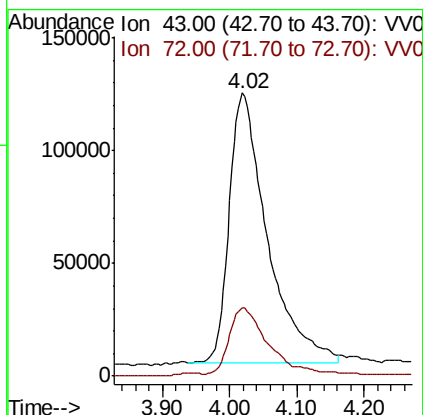
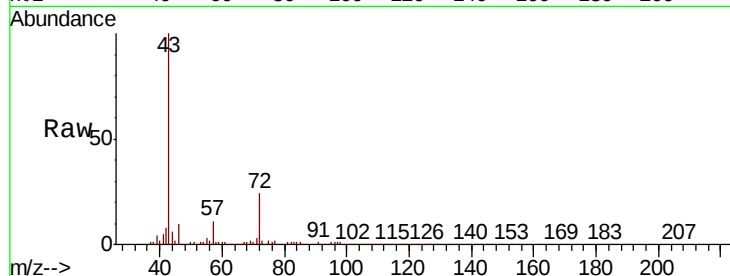
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 474264

Ion Ratio Lower Upper

43 100

72 23.2 11.6 34.8



#23

Bromochloromethane

Concen: 50.928 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Tgt Ion:128 Resp: 141200

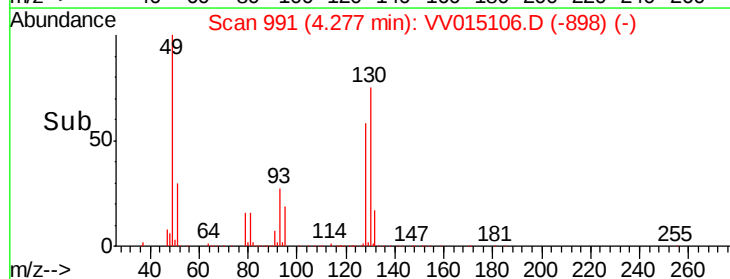
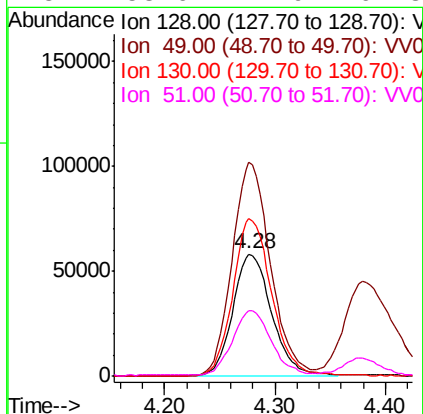
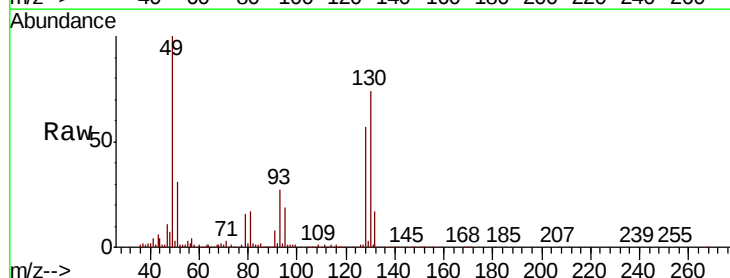
Ion Ratio Lower Upper

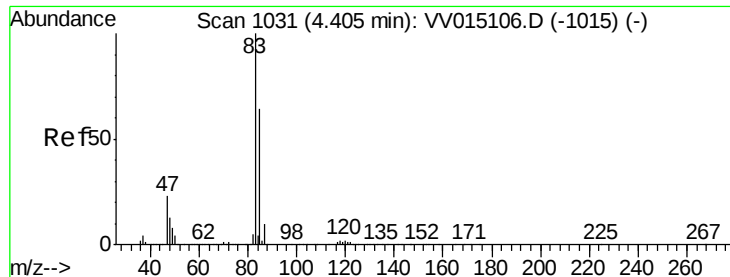
128 100

49 174.8 122.4 227.2

130 129.3 90.5 168.1

51 53.6 42.9 64.3

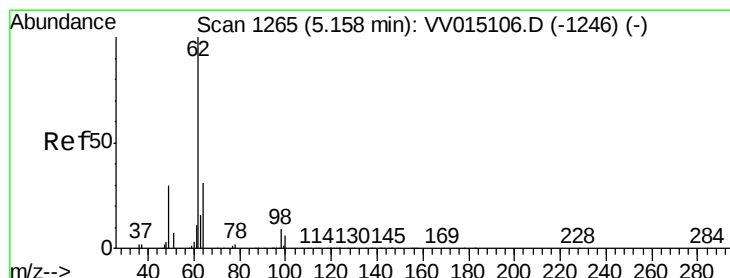
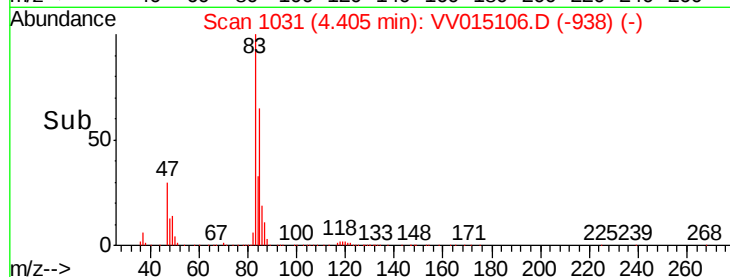
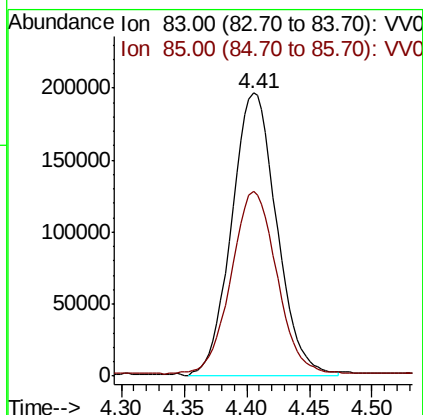
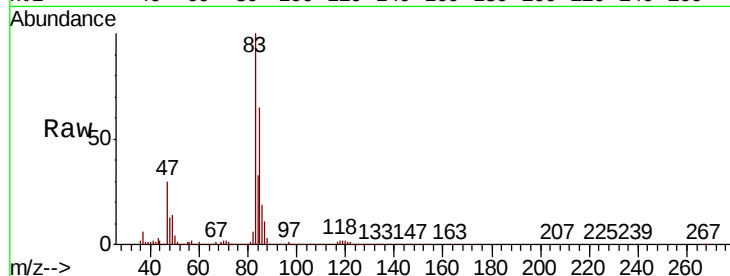




#25
Chloroform
Concen: 55.195 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

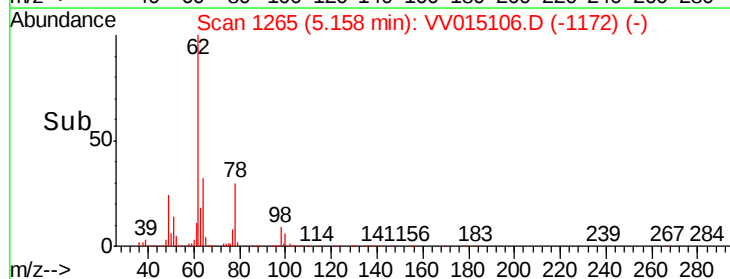
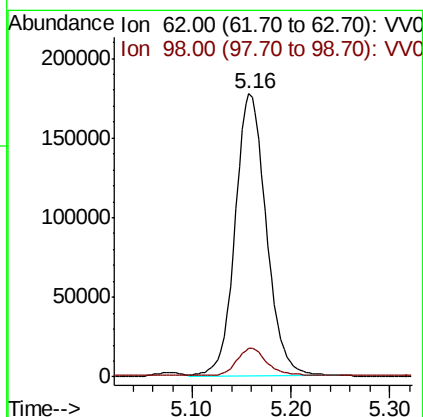
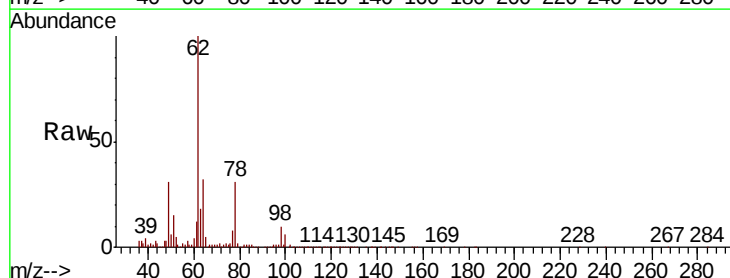
Instrument :
MSVOA_V
ClientSampleId :

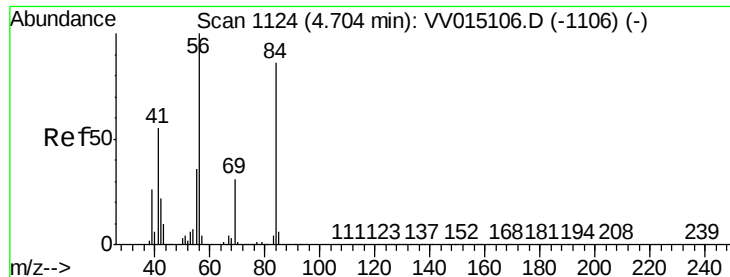
Tot Ion: 83 Resp: 493805
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 57.440 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Tgt Ion: 62 Resp: 387596
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0

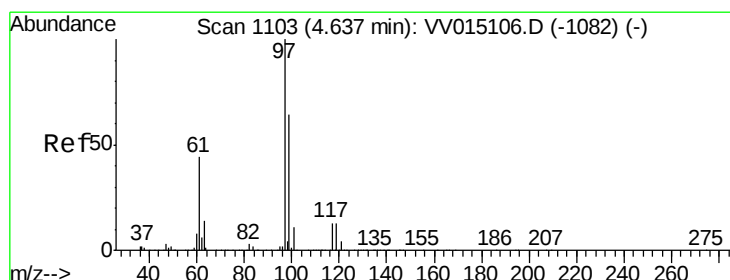
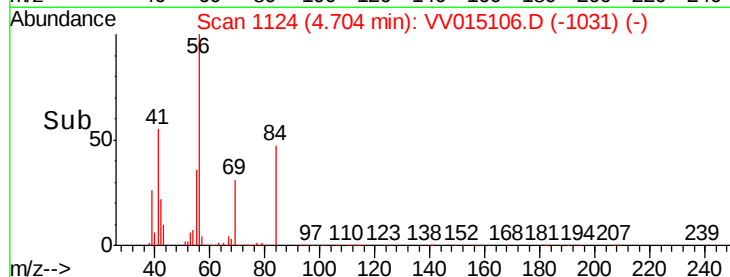
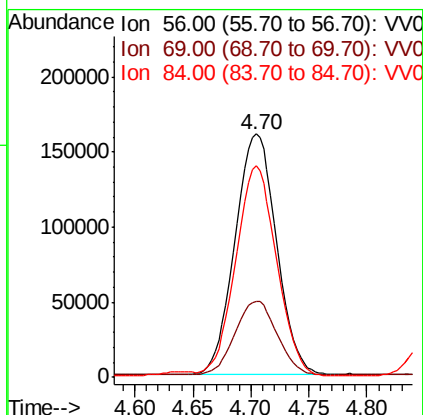
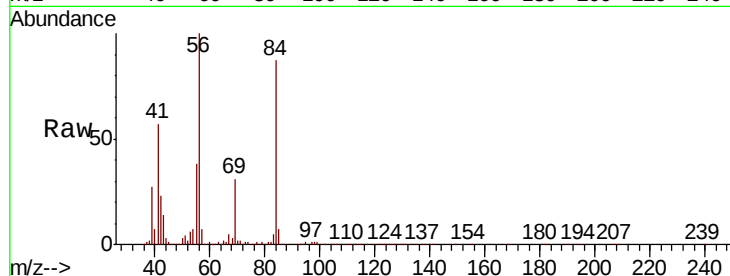




#29
Cyclohexane
Concen: 59.895 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

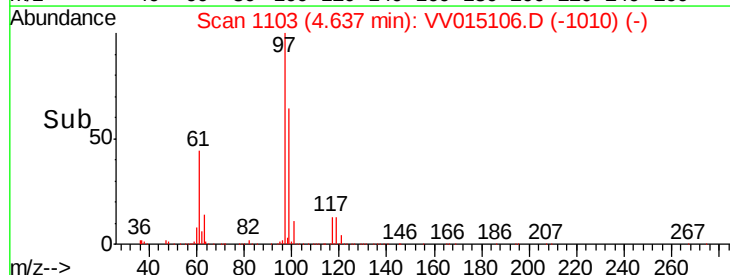
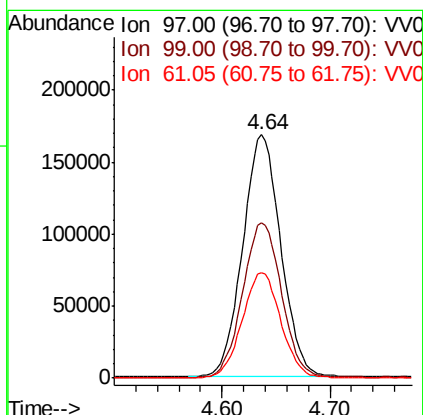
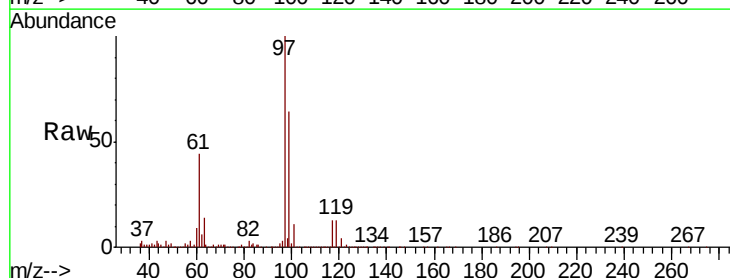
Instrument :
MSVOA_V
ClientSampleId :

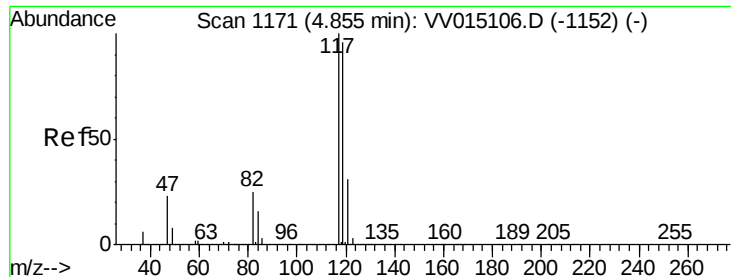
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.8	37.2
84	86.1	68.9	103.3



#30
1,1,1-Trichloroethane
Concen: 53.132 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	44.1	35.3	52.9

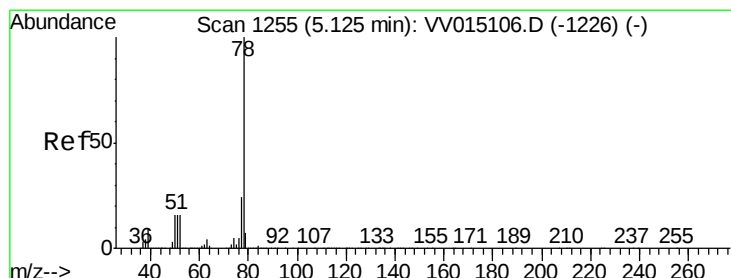
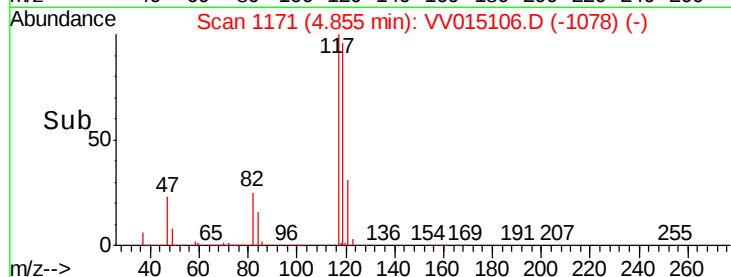
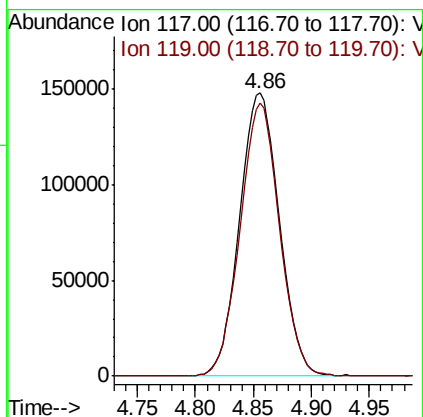
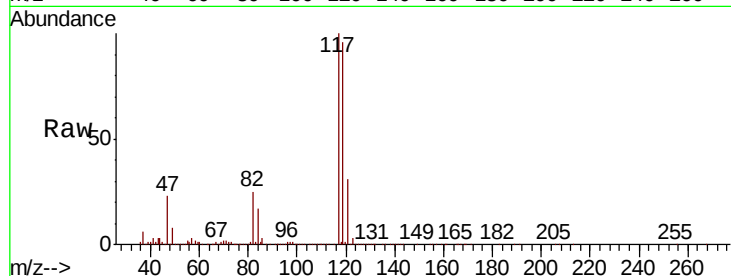




#31
Carbon tetrachloride
Concen: 51.342 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

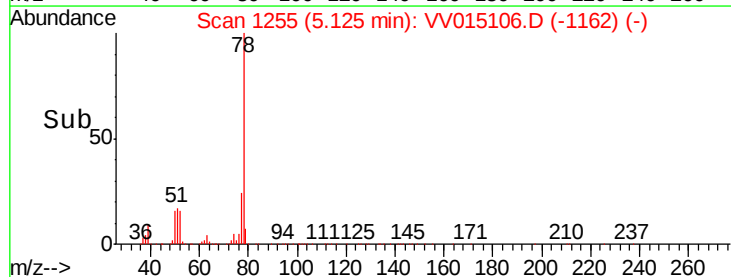
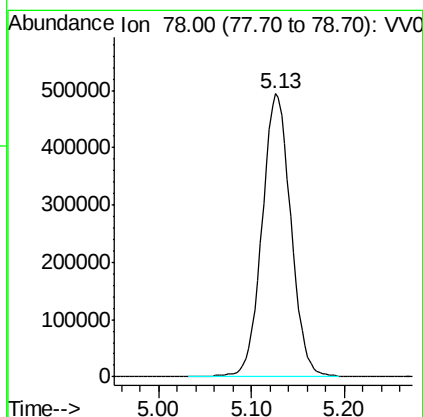
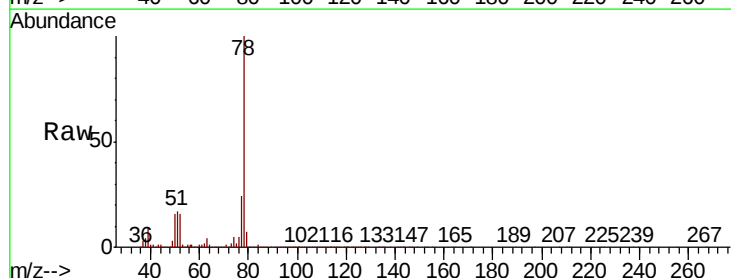
Instrument :
MSVOA_V
ClientSampleId :

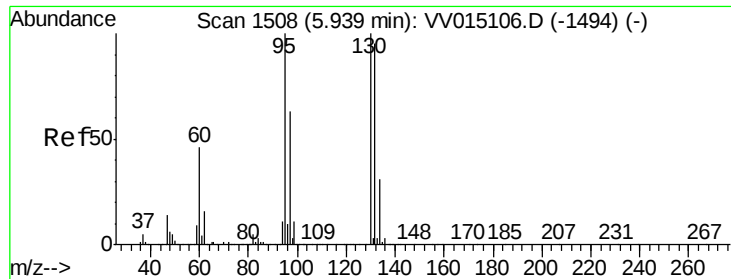
Tot Ion:117 Resp: 351805
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1



#33
Benzene
Concen: 59.221 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Tgt Ion: 78 Resp: 1067842

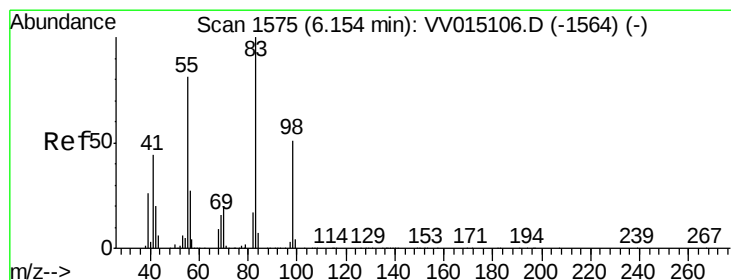
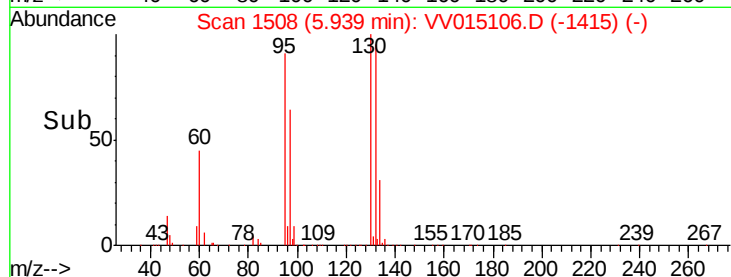
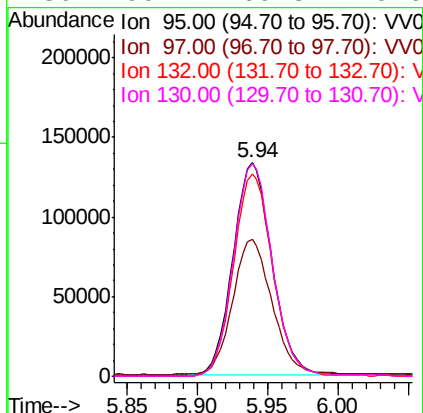
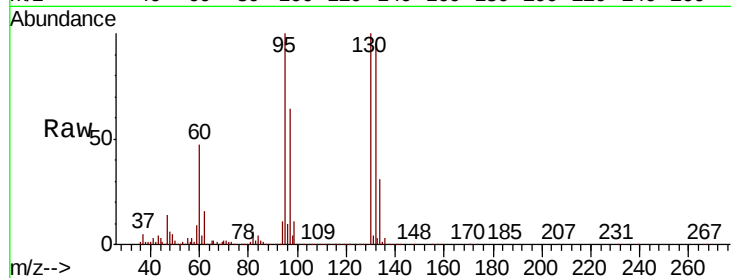




#34
 Trichloroethene
 Concen: 54.032 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

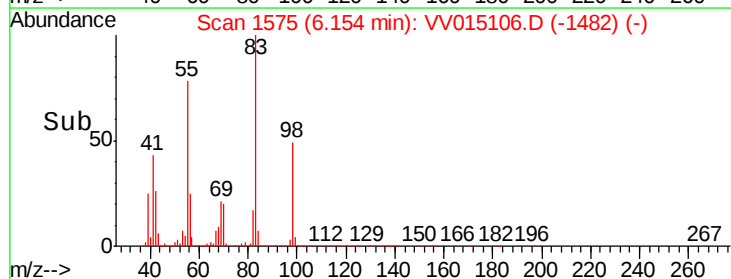
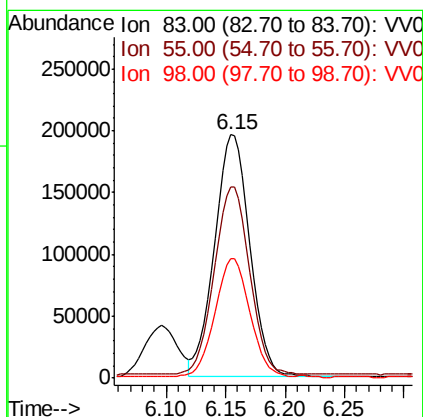
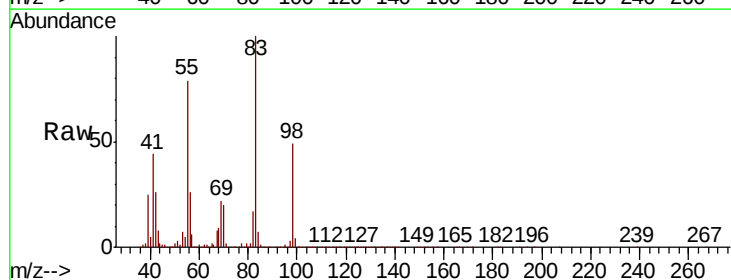
Instrument :
 MSVOA_V
 ClientSampleId :

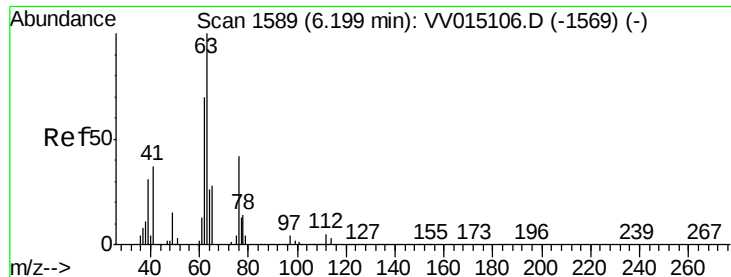
Tot Ion	95	Resp	258689
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.0	83.6
132	94.8	66.4	123.2
130	99.7	69.8	129.6



#35
 Methylcyclohexane
 Concen: 53.386 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Tgt Ion	83	Resp	402345
Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.8	92.8
98	47.6	38.1	57.1

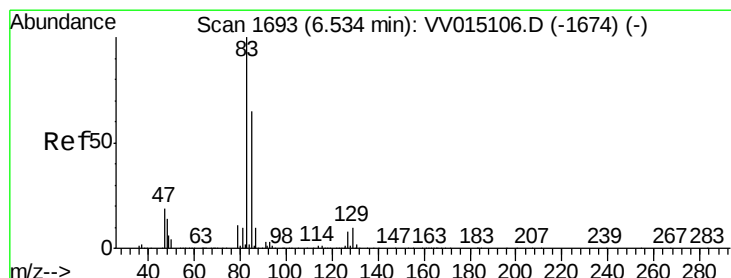
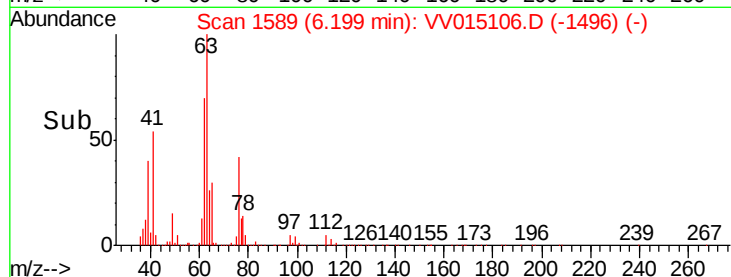
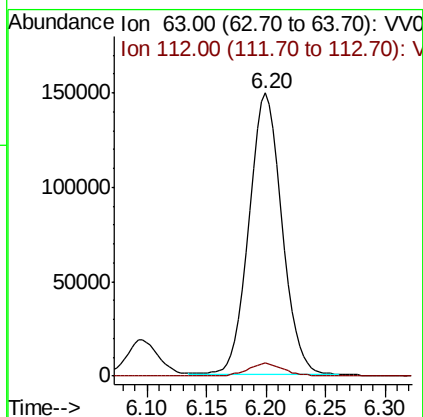
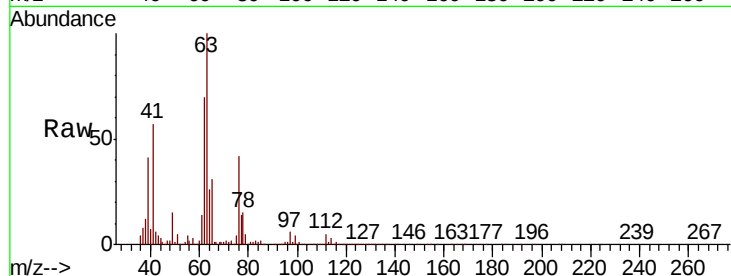




#37
 1,2-Dichloropropane
 Concen: 63.780 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

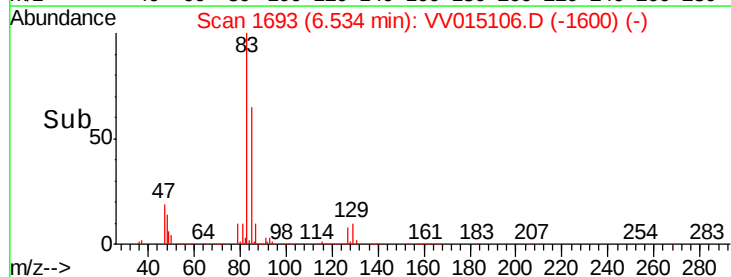
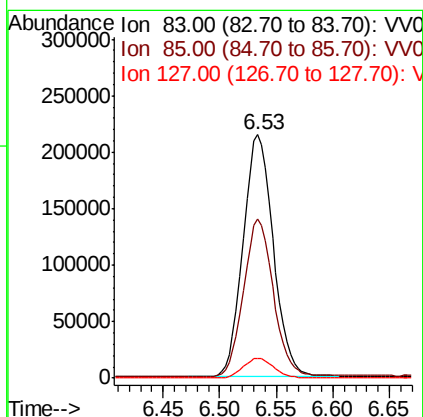
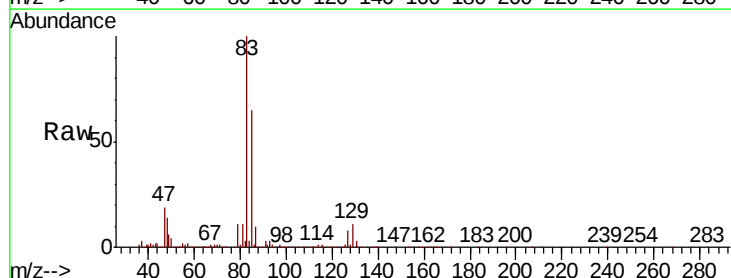
Instrument :
 MSVOA_V
 ClientSampleId :

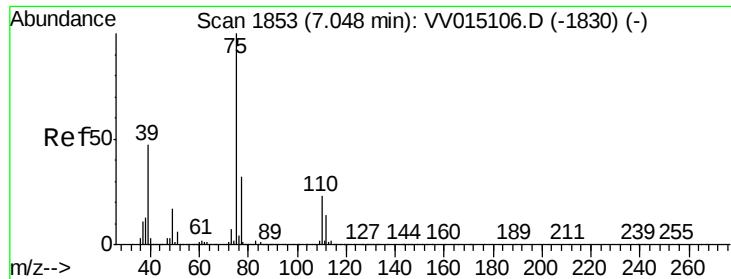
Tot Ion: 63 Resp: 287086
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 62.071 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Tgt Ion: 83 Resp: 401193
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.6 84.8
 127 8.1 6.5 9.7

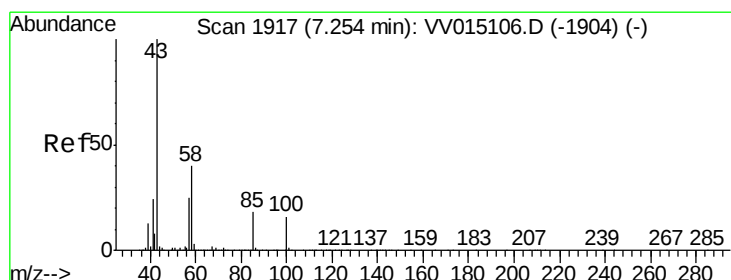
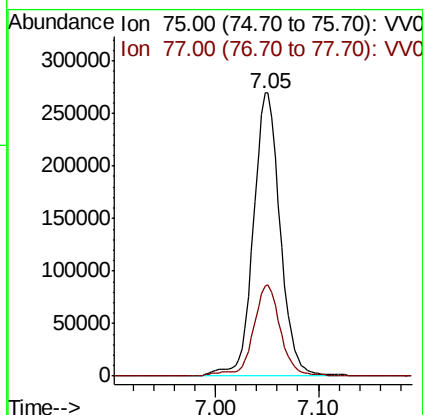
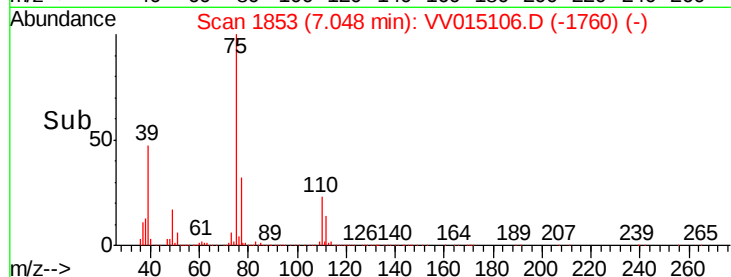
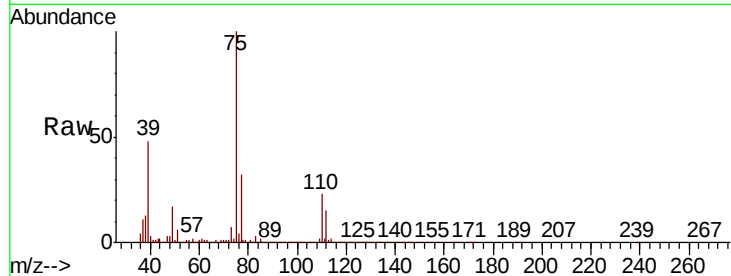




#39
 cis-1,3-Dichloropropene
 Concen: 65.009 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

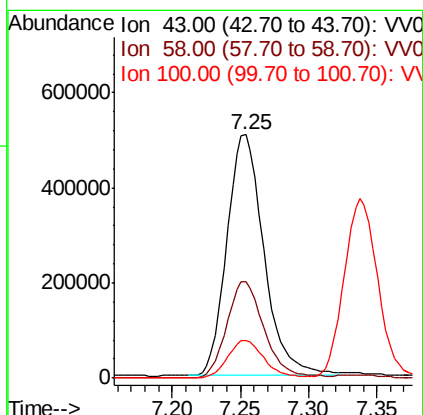
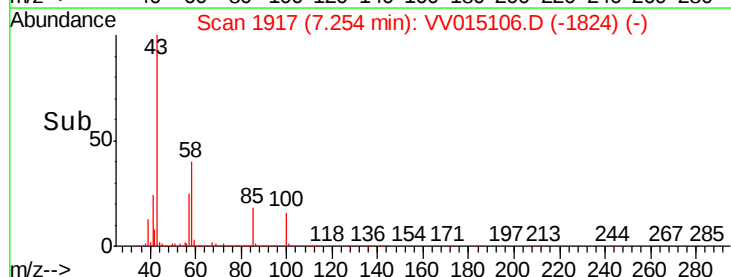
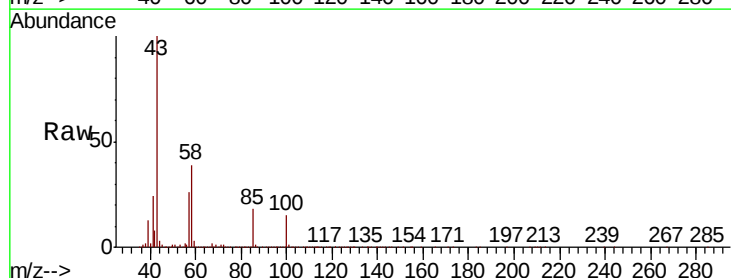
Instrument :
 MSVOA_V
 ClientSampleId :

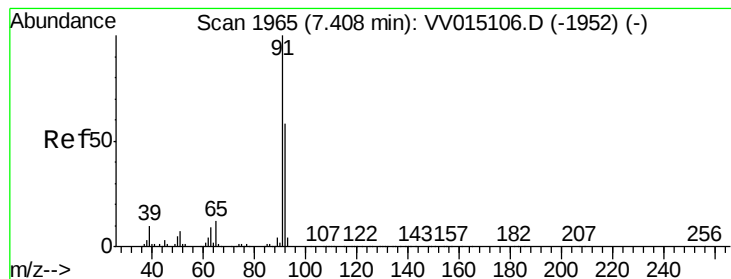
Tot Ion: 75 Resp: 483855
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 147.432 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Tgt Ion: 43 Resp: 960702
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.8
 100 15.3 12.2 18.4





#42

Toluene

Concen: 57.494 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

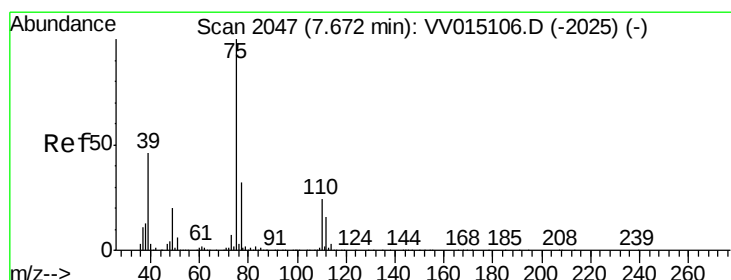
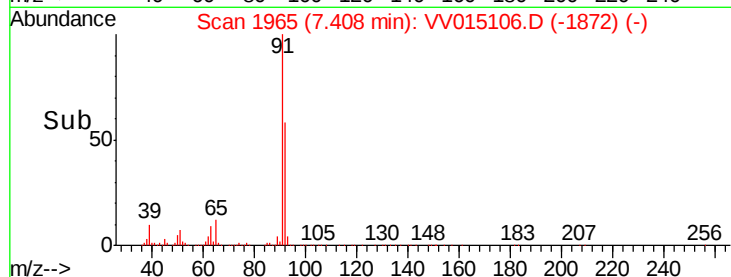
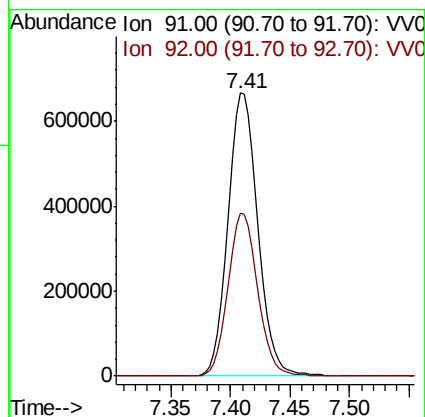
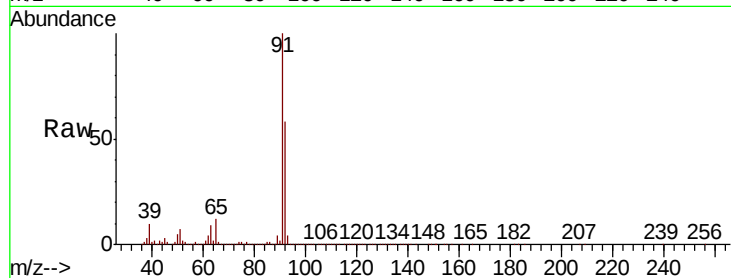
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1155773

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 64.301 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015106.D

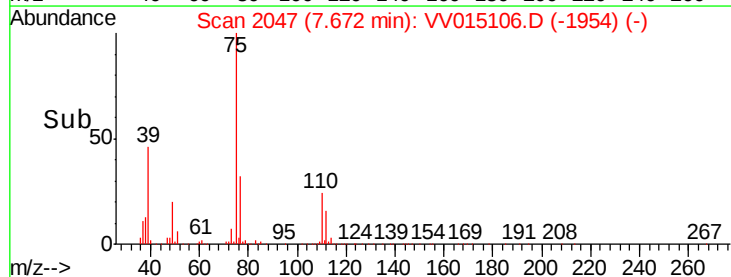
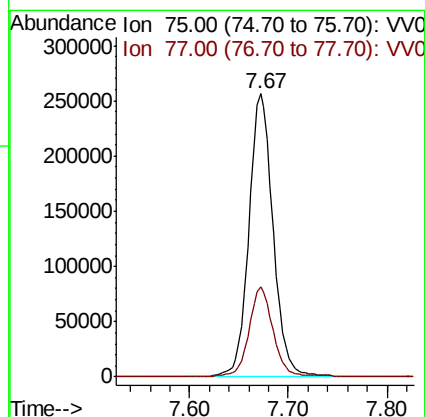
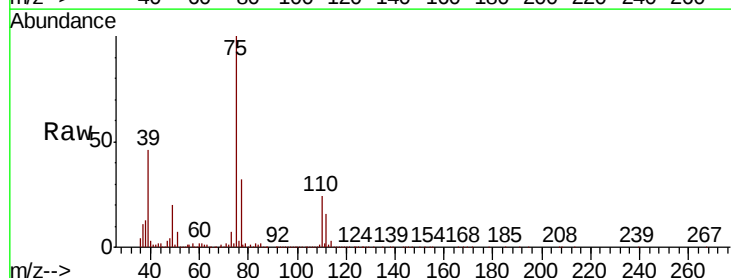
Acq: 23 Mar 2020 23:58

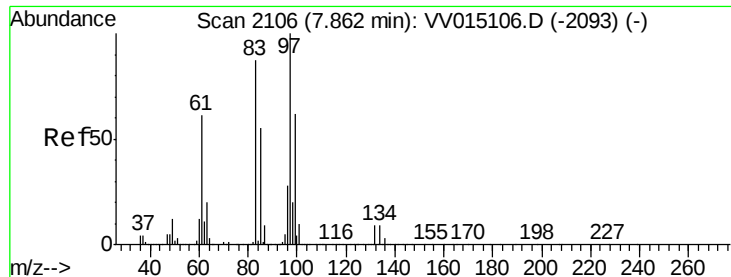
Tgt Ion: 75 Resp: 433461

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2

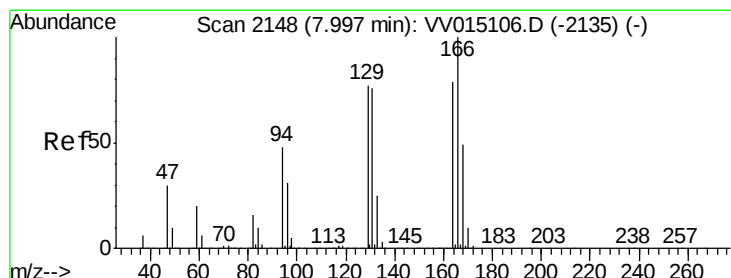
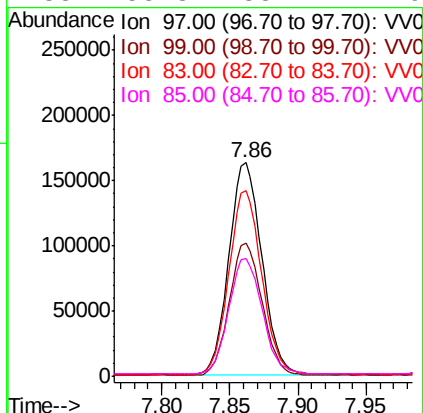
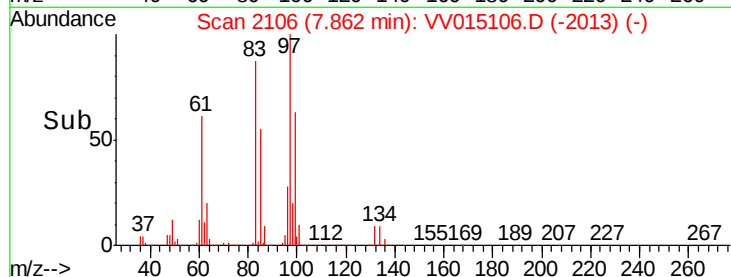
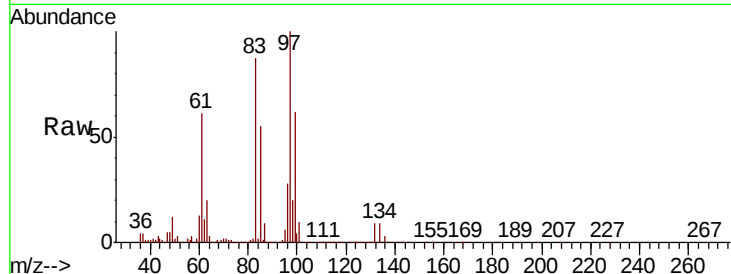




#45
 1,1,2-Trichloroethane
 Concen: 58.189 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

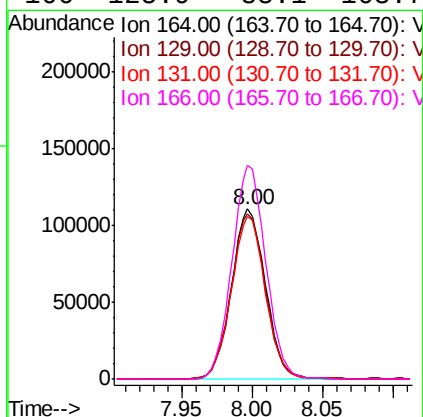
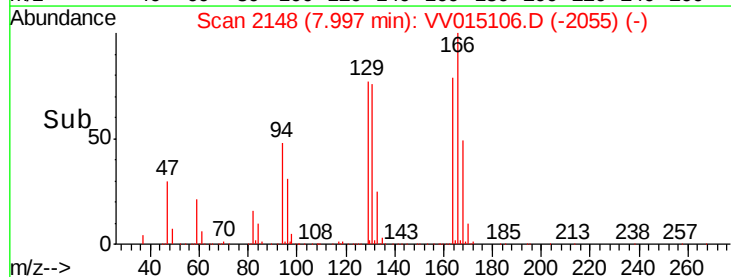
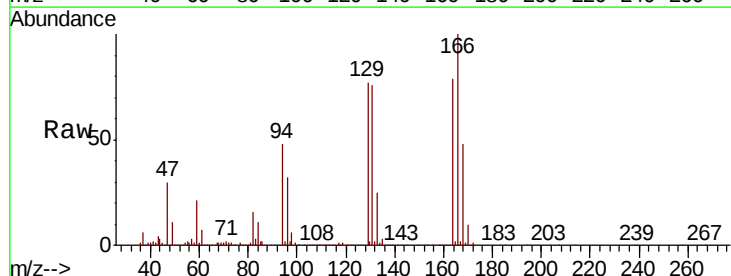
Instrument :
 MSVOA_V
 ClientSampleId :

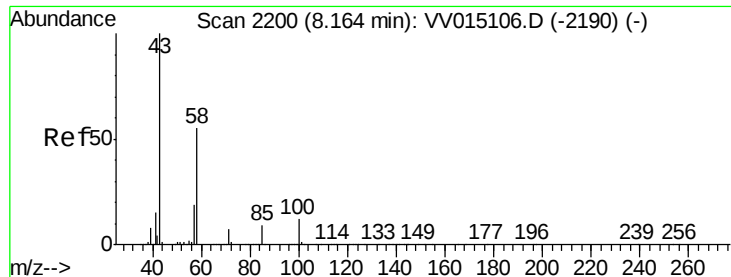
Tot Ion:	97	Resp:	275321
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	87.2	61.0	113.4
85	55.3	38.7	71.9



#46
 Tetrachloroethene
 Concen: 43.349 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Tgt Ion:	164	Resp:	186129
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.3	126.8
131	96.2	67.3	125.1
166	125.9	88.1	163.7

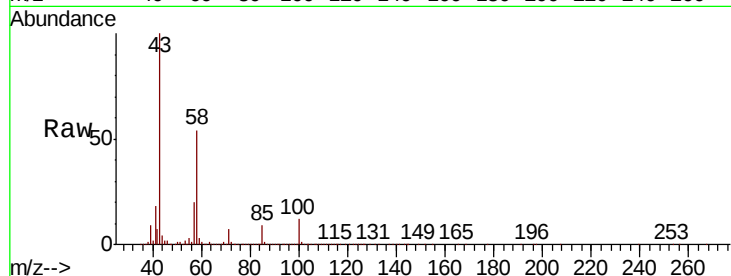




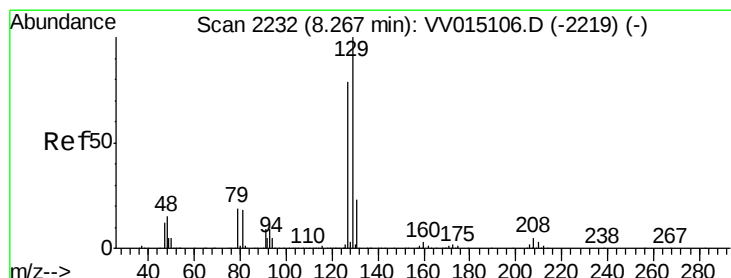
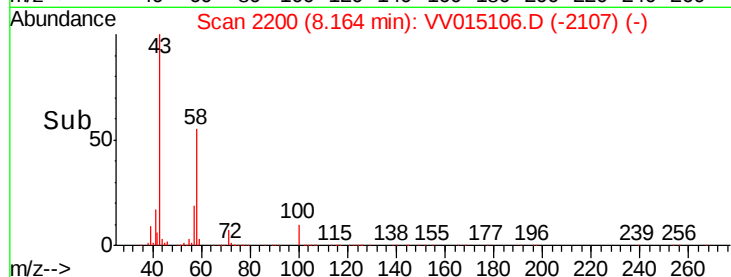
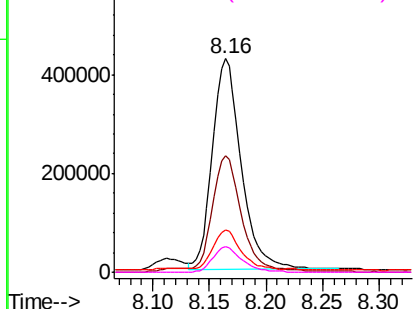
#48
2-Hexanone
Concen: 153.933 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 754423
Ion Ratio Lower Upper
43 100
58 55.2 44.2 66.2
57 17.5 14.0 21.0
100 12.0 9.6 14.4

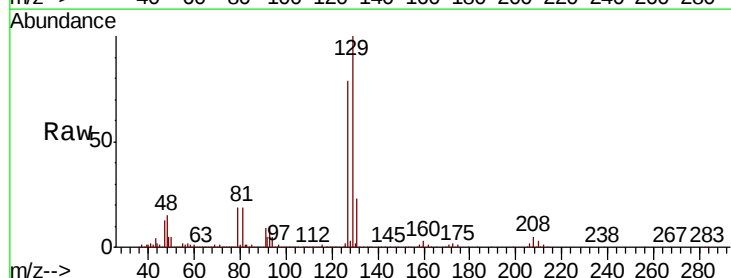


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

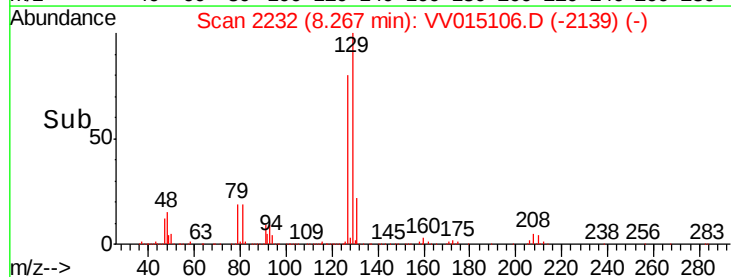
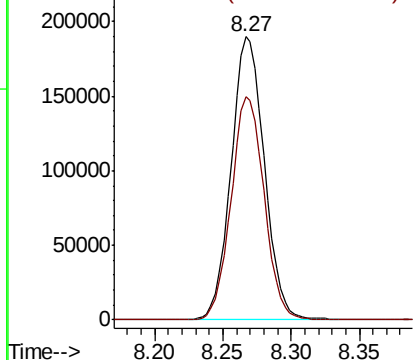


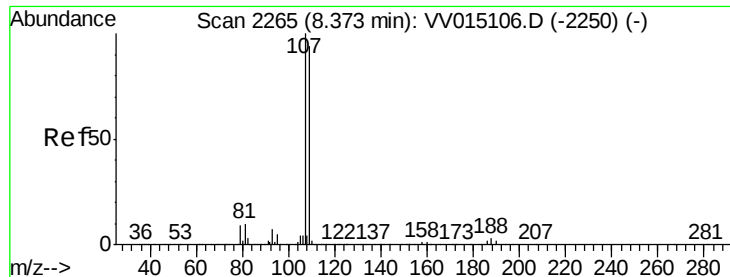
#49
Dibromochloromethane
Concen: 58.079 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015106.D
Acq: 23 Mar 2020 23:58

Tgt Ion: 129 Resp: 319056
Ion Ratio Lower Upper
129 100
127 78.9 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

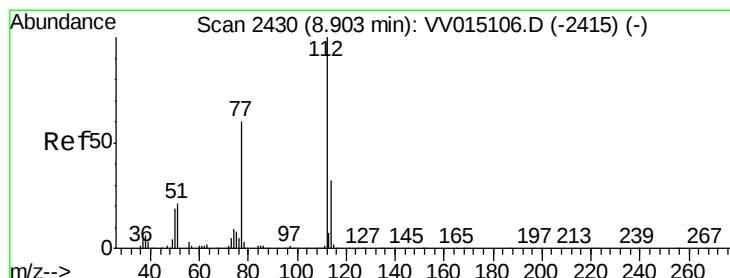
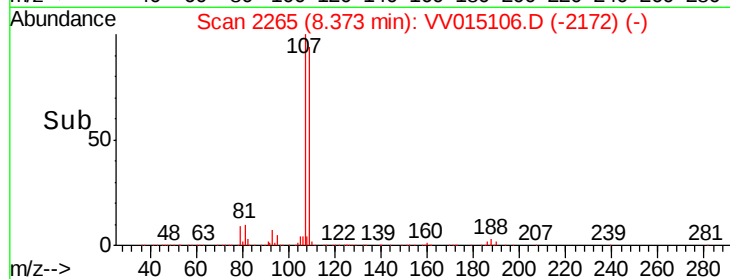
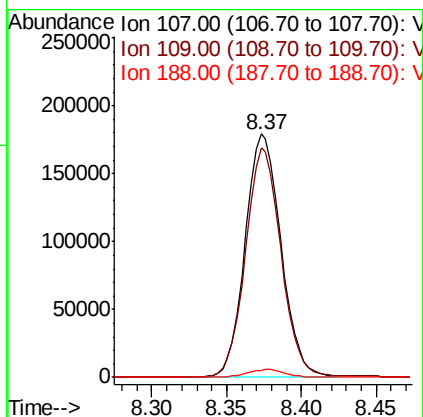
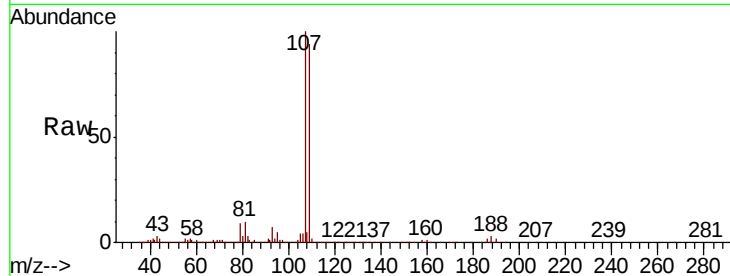




#50
 1,2-Dibromoethane
 Concen: 56.679 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

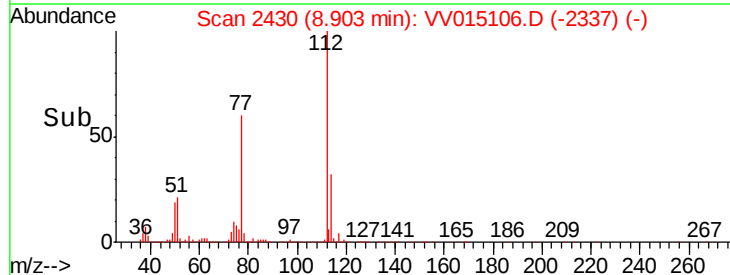
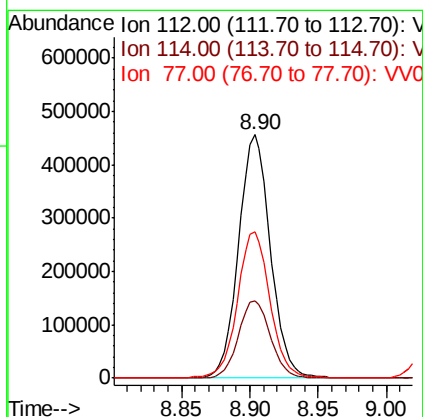
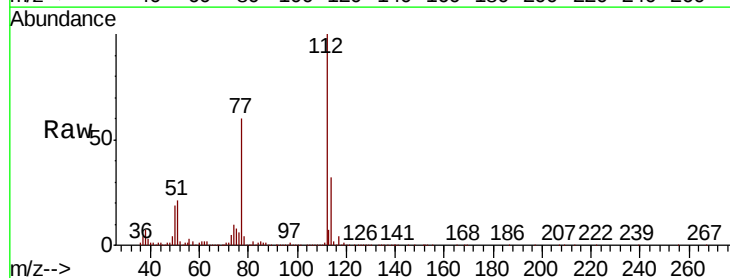
Instrument :
 MSVOA_V
 ClientSampleId :

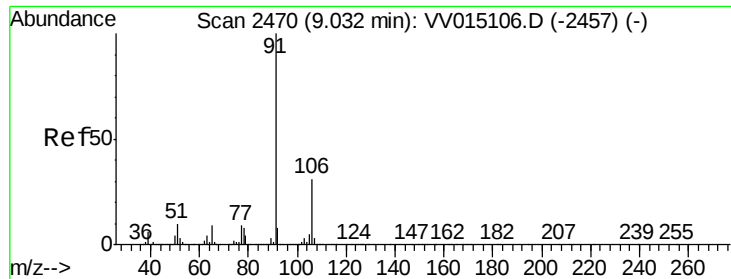
Tot Ion:	107	Resp:	297621
Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.9	122.5
188	3.0	2.4	3.6



#51
 Chlorobenzene
 Concen: 52.974 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Tgt Ion:	112	Resp:	738264
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	60.1	48.1	72.1





#52

Ethylbenzene

Concen: 56.060 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

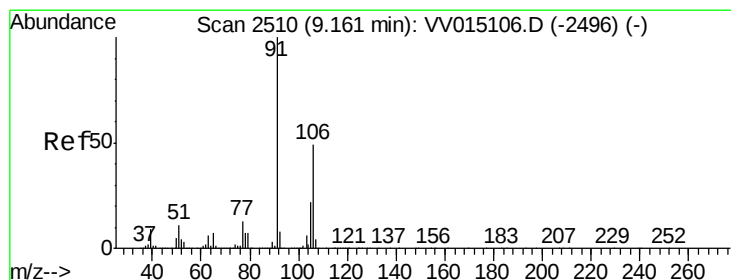
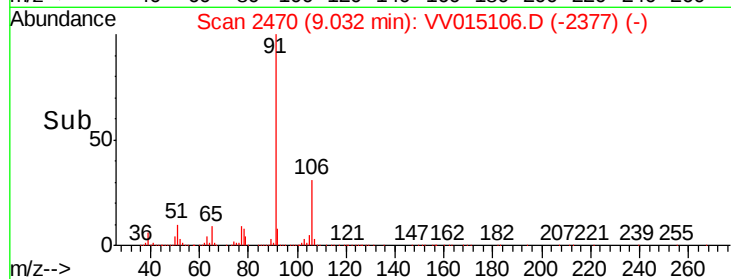
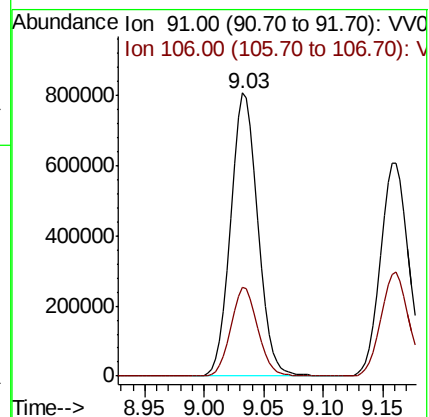
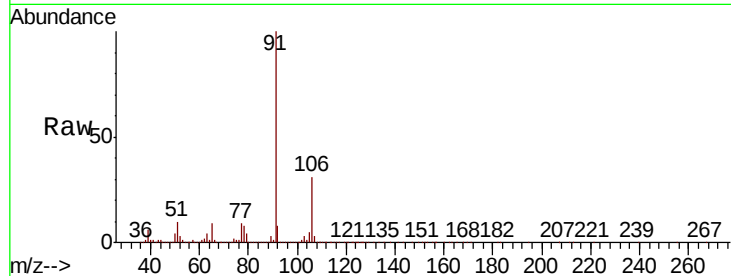
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1275760

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



#53

m,p-Xylene

Concen: 54.791 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015106.D

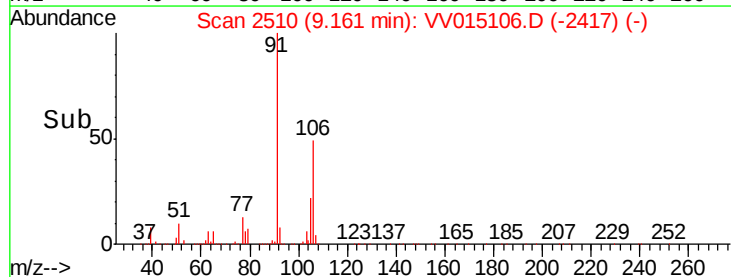
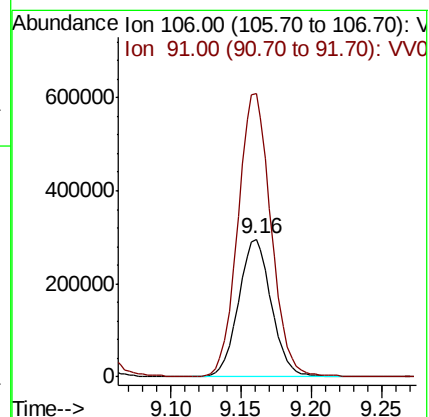
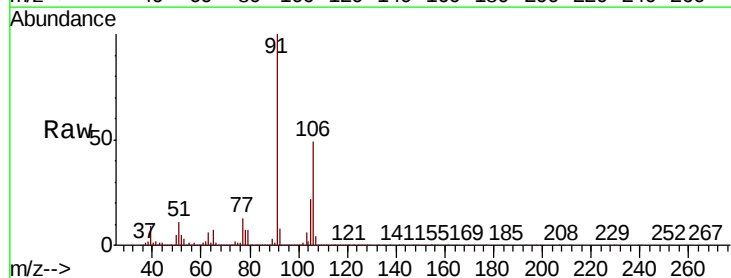
Acq: 23 Mar 2020 23:58

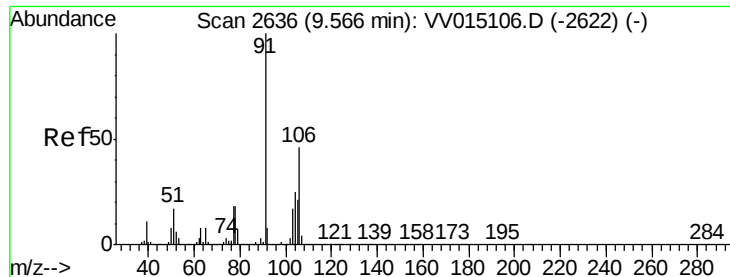
Tgt Ion: 106 Resp: 482821

Ion Ratio Lower Upper

106 100

91 205.5 143.9 267.2





#54

o-xylene

Concen: 56.162 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

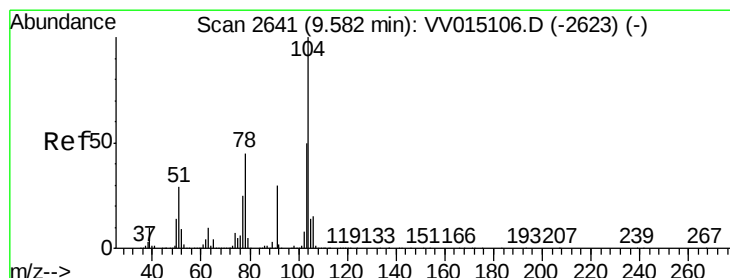
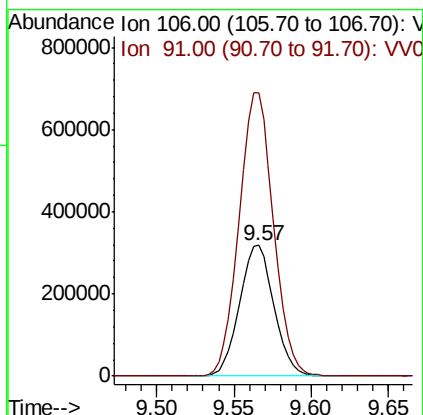
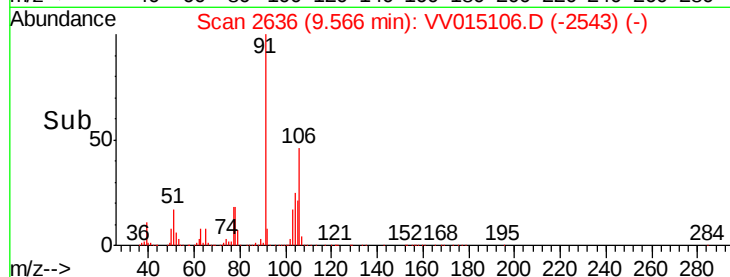
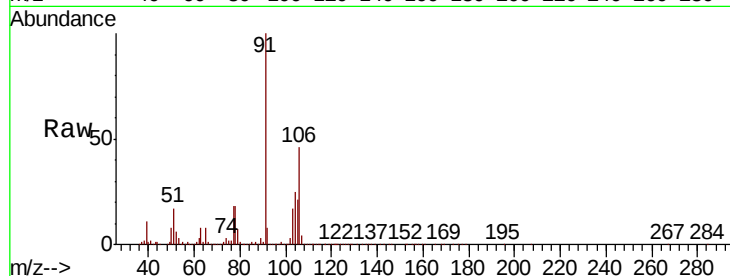
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 492359

Ion Ratio Lower Upper

106 100

91 215.9 151.1 280.7



#55

Styrene

Concen: 57.823 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015106.D

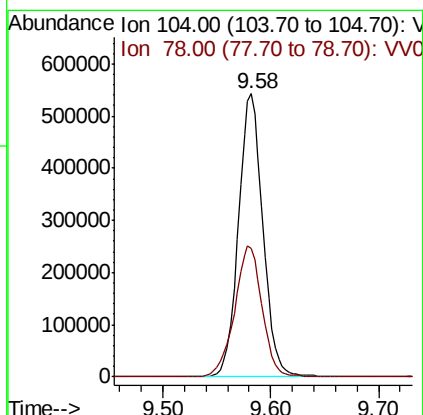
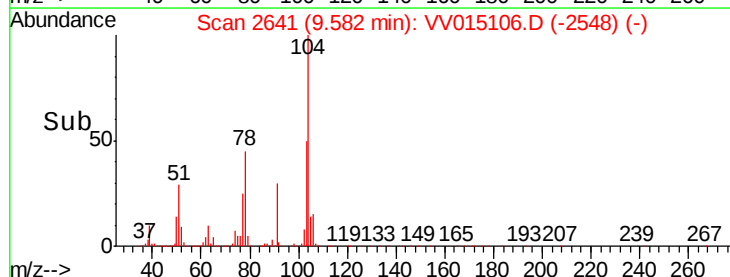
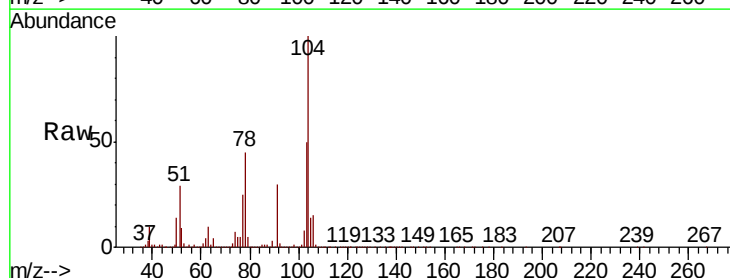
Acq: 23 Mar 2020 23:58

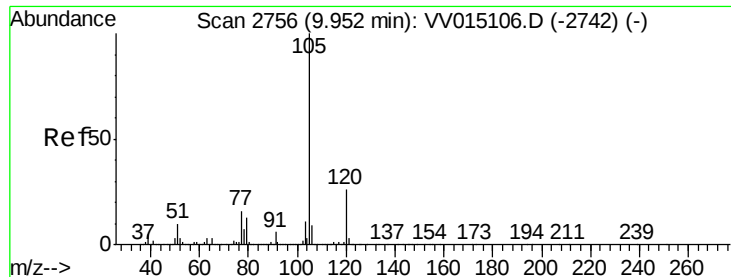
Tgt Ion:104 Resp: 857936

Ion Ratio Lower Upper

104 100

78 45.4 31.8 59.0





#56

Isopropylbenzene

Concen: 54.358 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Instrument :

MSVOA_V

ClientSampled :

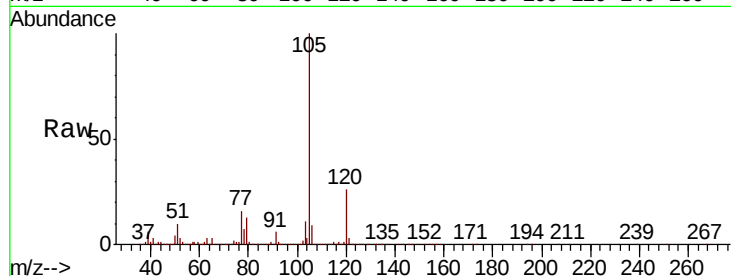
Tot Ion:105 Resp: 1229894

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

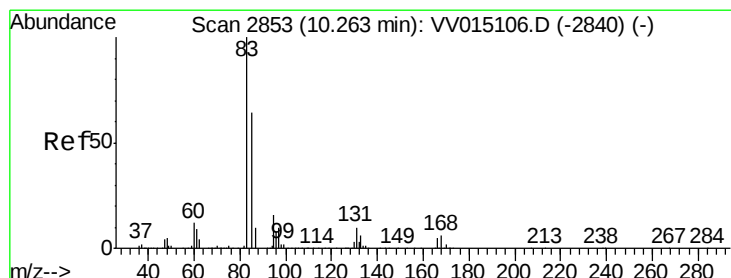
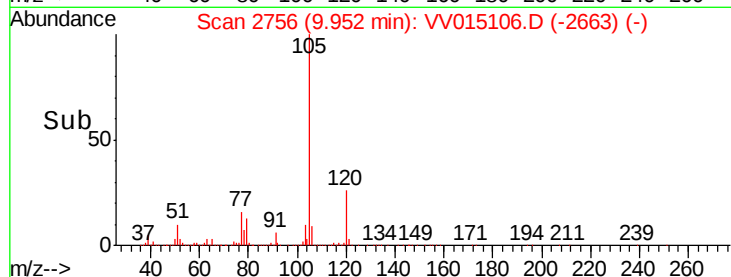
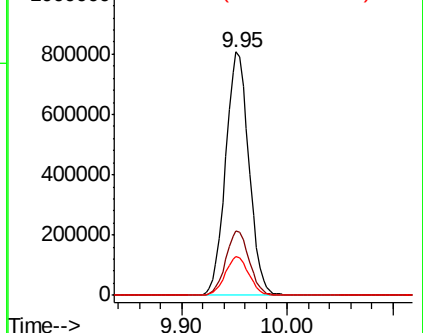
77 16.0 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 60.463 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

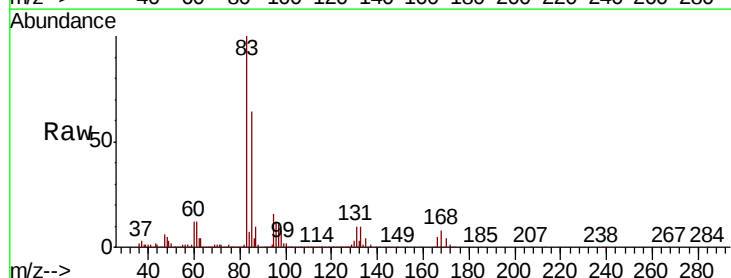
Tgt Ion: 83 Resp: 471599

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

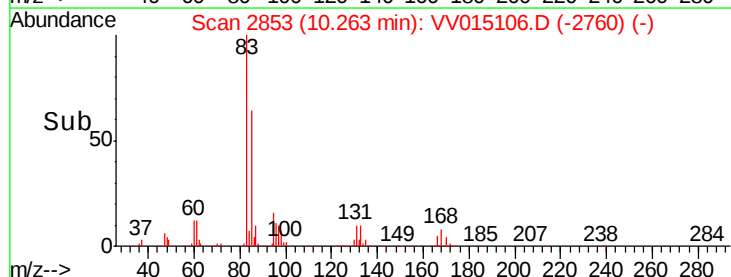
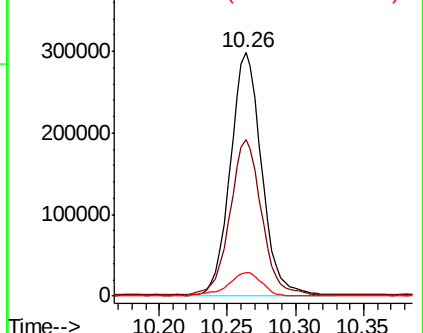
131 9.8 7.8 11.8

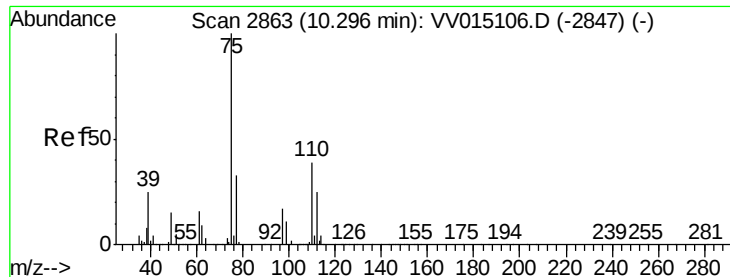


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 61.400 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Instrument :

MSVOA_V

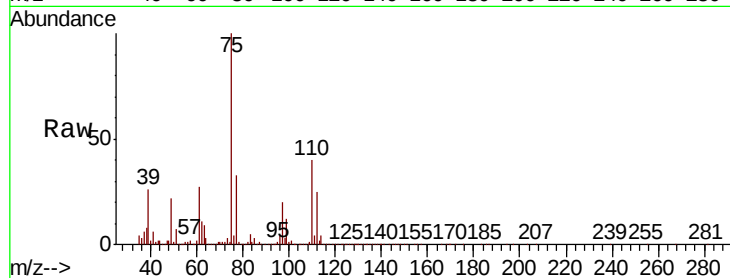
ClientSampled :

Tot Ion: 75 Resp: 380671

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.30

250000

200000

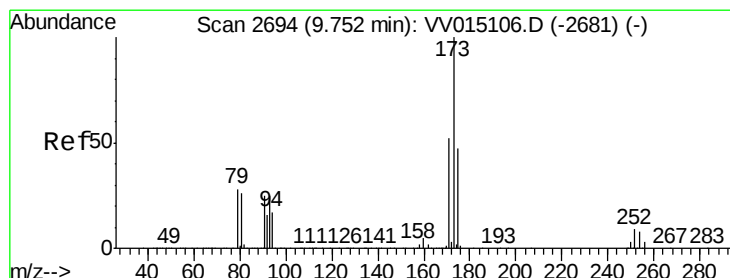
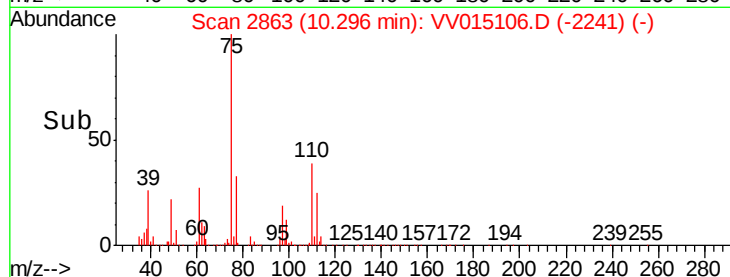
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 64.174 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

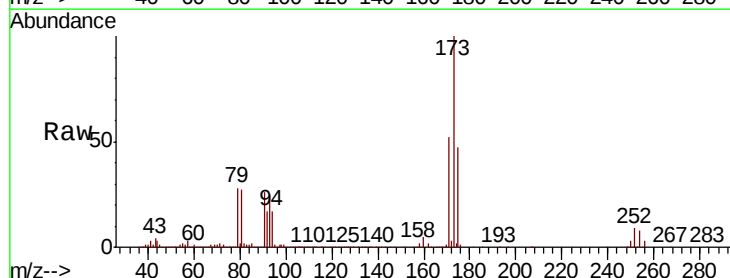
Tgt Ion: 173 Resp: 227199

Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

254 8.2 6.6 9.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.75

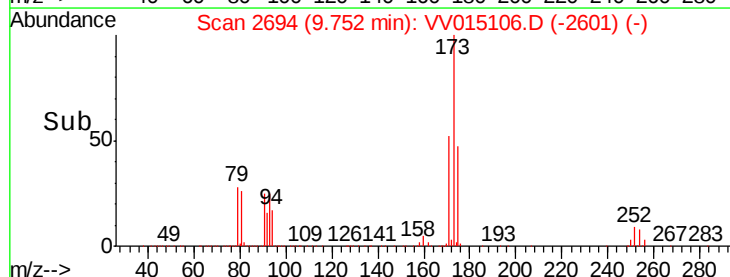
150000

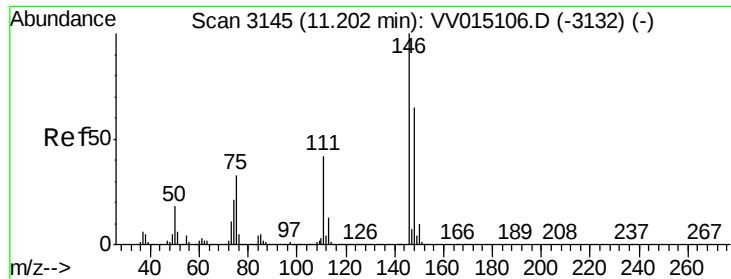
100000

50000

0

Time--> 9.70 9.75 9.80 9.85

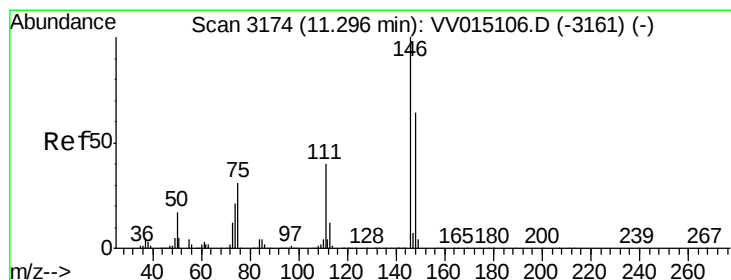
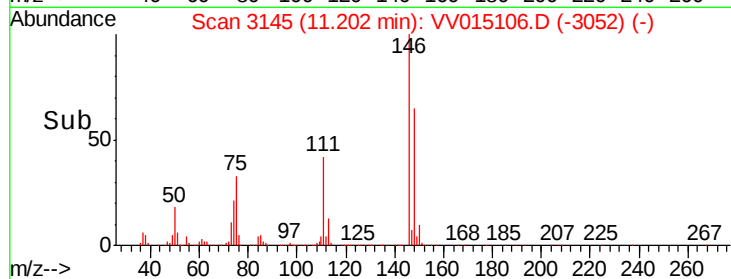
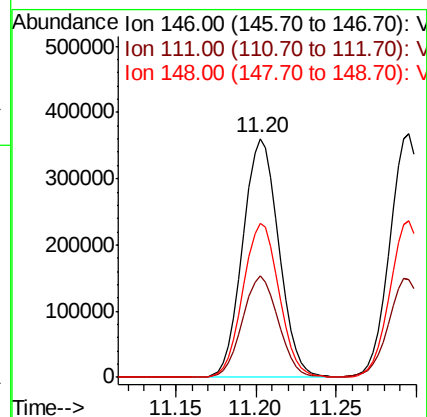
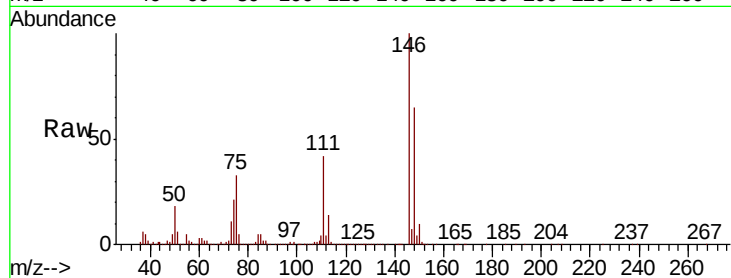




#62
 1,3-Dichlorobenzene
 Concen: 54.139 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

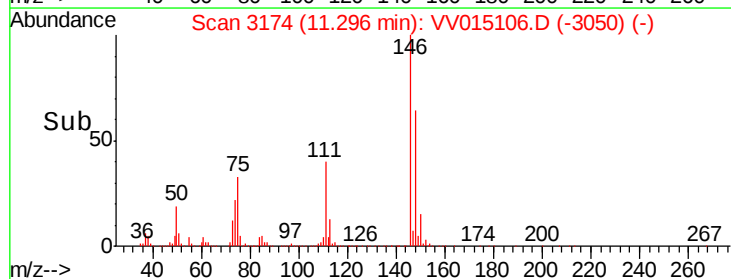
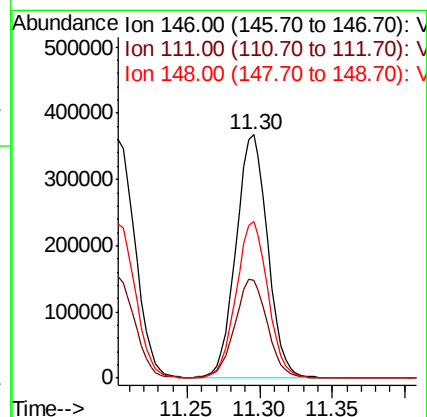
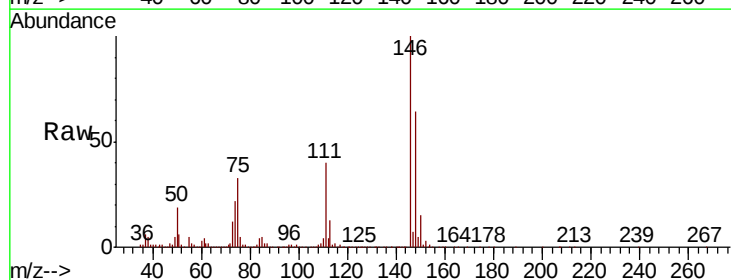
Instrument :
 MSVOA_V
 ClientSampleId :

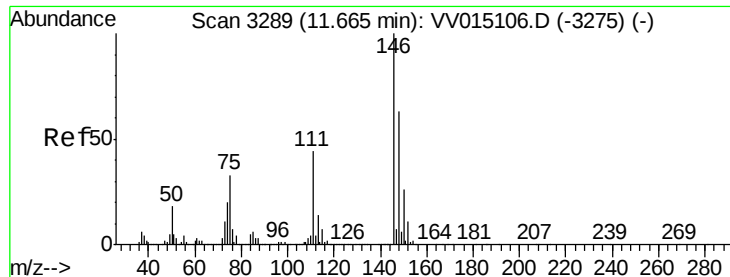
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.7	55.1
148	64.7	45.3	84.1



#63
 1,4-Dichlorobenzene
 Concen: 52.057 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.2	52.4
148	64.2	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 52.772 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

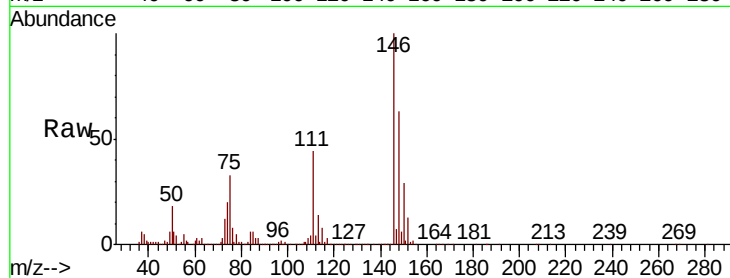
Tot Ion:146 Resp: 577987

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

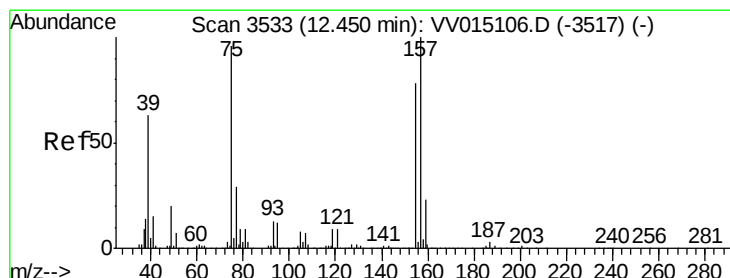
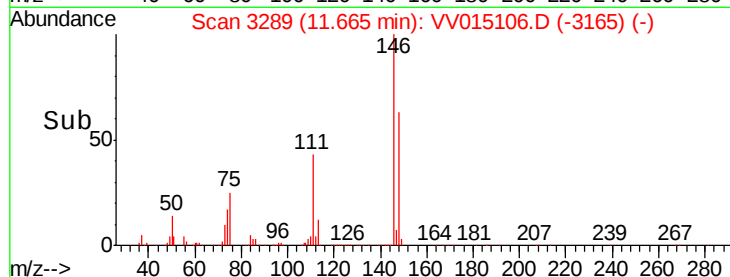
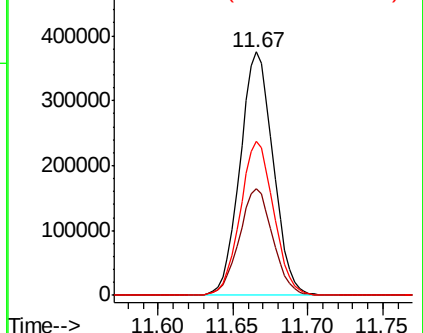
148 63.2 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 73.740 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

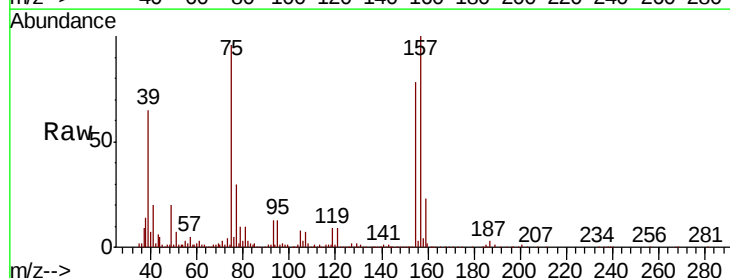
Tgt Ion: 75 Resp: 125702

Ion Ratio Lower Upper

75 100

155 81.5 65.2 97.8

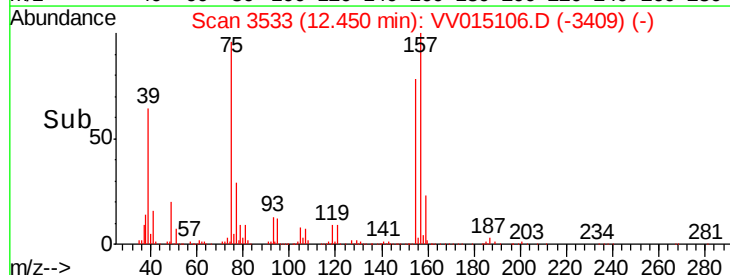
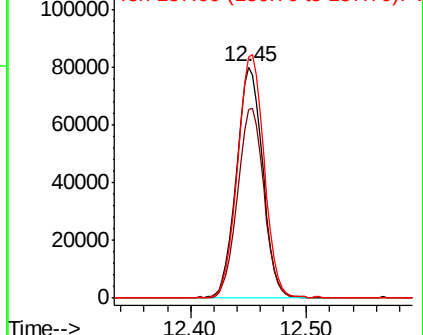
157 104.1 83.3 124.9

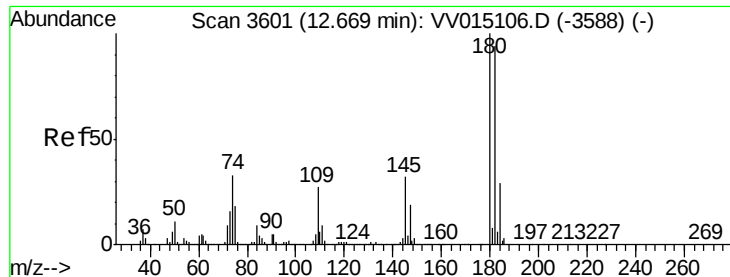


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

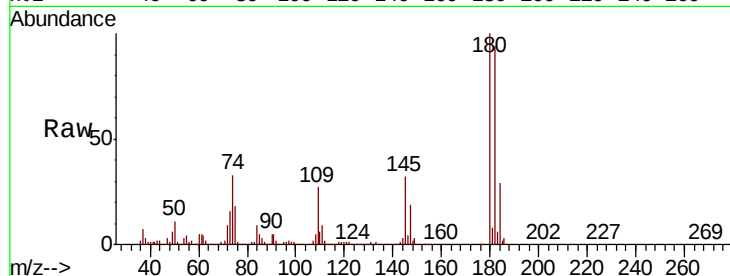




#67
 1,3,5-Trichlorobenzene
 Concen: 48.838 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	29.6	23.7	35.5
145	32.2	25.8	38.6



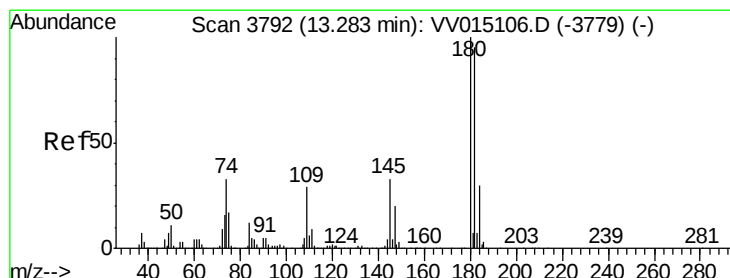
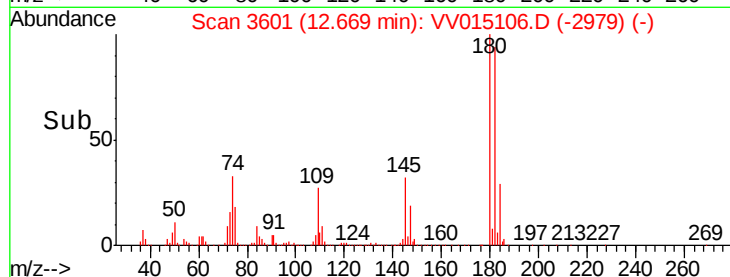
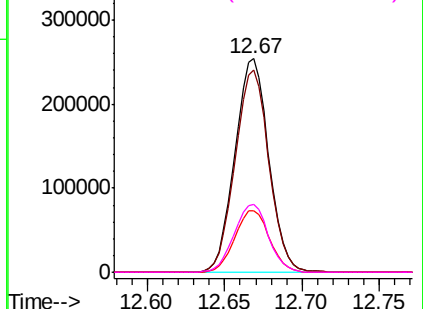
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

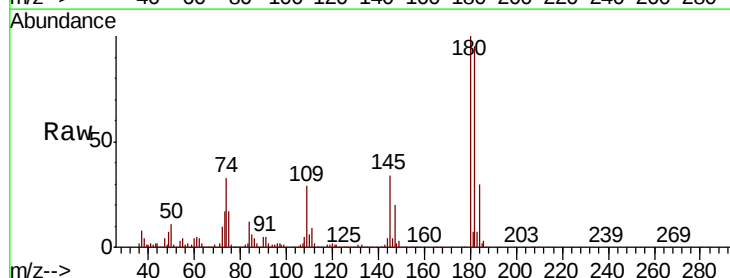
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.846 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015106.D
 Acq: 23 Mar 2020 23:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
145	33.0	26.4	39.6

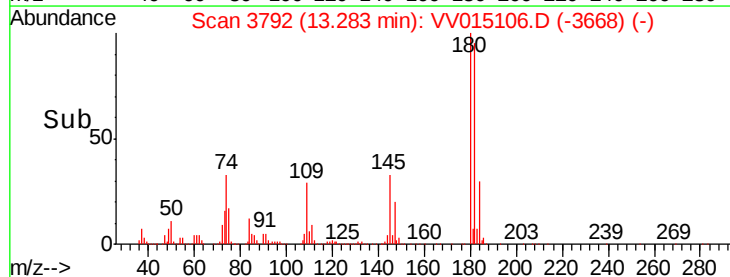
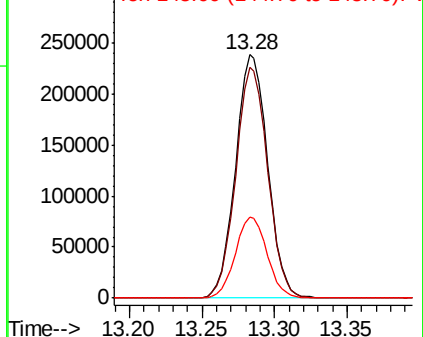


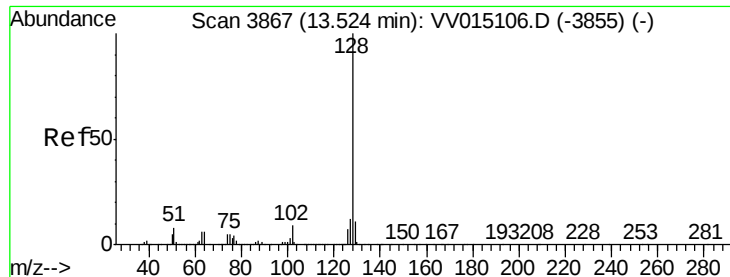
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 68.778 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

Instrument :

MSVOA_V

ClientSampled :

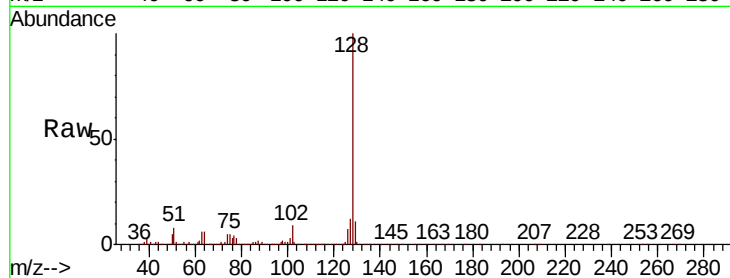
Tot Ion:128 Resp: 724040

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

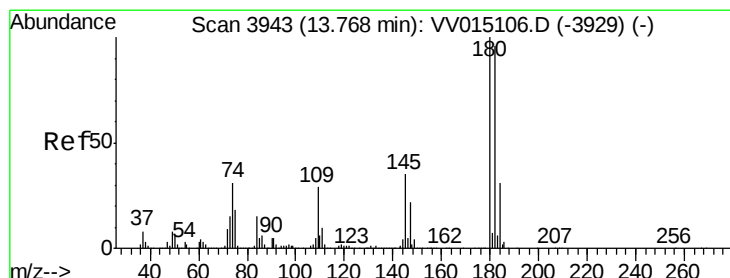
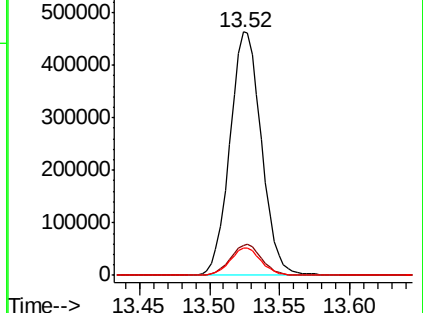
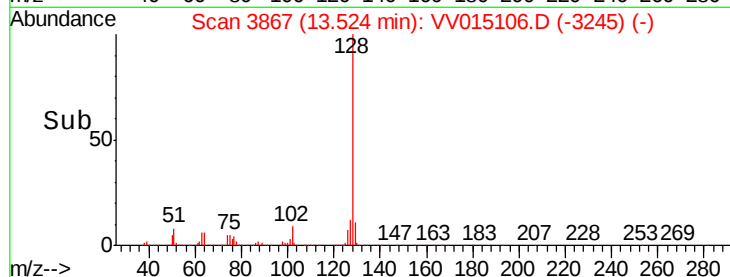
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.327 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015106.D

Acq: 23 Mar 2020 23:58

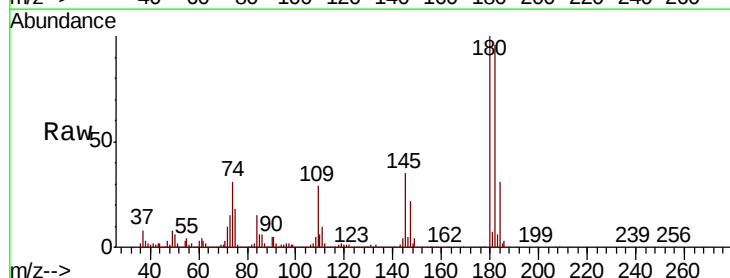
Tgt Ion:180 Resp: 377782

Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

145 34.7 27.8 41.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

